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Pesticides and Toxic Substances; General Recordkeeping and Reporting Requirement: Preliminary Assessment Information

ENVIRONMENTAL PROTECTION AGENCY

40 CFR Part 712

[OTS-082004b; FRL 1385-4]

Pesticides and Toxic Substances; General Recordkeeping and Reporting Requirement: Preliminary Assessment Information

AGENCY: Environmental Protection Agency (EPA or the Agency).

ACTION: Proposed rule; notice of opportunity to comment.

SUMMARY: This rule, proposed under the authority of section 8(a) of the Toxic Substances Control Act (TSCA), would require chemical manufacturers (including miners and importers) and, in some cases, processors to report production and exposure-related data on approximately 2300 chemicals to the EPA. This information will be used both for ranking chemicals for investigation and for preliminary risk assessments. Additional chemicals may be added to this rule in the future; therefore, any chemical manufacturer or processor is potentially subject to the proposed requirements. Comments are requested on both the general procedures of this rule and the chemicals proposed at this time.

DATE: Comments on this proposed rule must be received on or before May 6, 1980.

ADDRESS: Comments should be addressed to the Document Control Officer, Environmental Protection Agency, Office of Pesticides and Toxic Substances (TS-793), 401 M Street, SW, Washington, DC 20460. Comments should bear the identifying notation OTS-082004b. All comments received, as well as the public records in this proceeding, will be available for public inspection in Room 447 East Tower at that address from 8:00 a.m. to 4:00 p.m., Monday through Friday.

FOR FURTHER INFORMATION CONTACT: John B. Ritch, Jr., Industry Assistance Office, Environmental Protection Agency, Office of Pesticides and Toxic Substances (TS-799), 401 M Street, SW, Washington, DC 20460; 800-424-9065 (toll free); in Washington 554-1404.

SUPPLEMENTARY INFORMATION: The following sections appear in this preamble:

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1. Background

A. Legal Authority

Section 8(a) of the Toxic Substances Control Act (TSCA), 15 U.S.C. 2607(a), authorizes the Administrator to promulgate rules "under which * * * each person * * * who manufactures or processes or proposes to manufacture or process a chemical substance * * * shall maintain such records, and shall submit to the Administrator such reports, as the Administrator *may reasonably require.*" [emphasis added]. See TSCA section 8(a)(1)(A). In the case of manufacturers or processors of mixtures or of small quantities of research and development chemicals these rules may require maintenance of records and submission of reports "to the extent * * * *necessary for the effective enforcement of this Act.*" [emphasis added]. See TSCA section 8(a)(1)(B). Section 8(a) rules may require a manufacturer or processor to submit any applicable data "insofar as *known to* the person making the report or insofar as *reasonably ascertainable* * * *." [emphasis added]. See TSCA section 8(a)(2).

Thus, the standards governing EPA's information gathering authority under section 8(a) are that reporting and recordkeeping requirements be "reasonable" (or "necessary for effective enforcement of this Act") and that the information required in the report be "known to" or "reasonably ascertainable" by the reporting person.

Section 8, also, imposes certain limitations on the Agency's information gathering authority. To the extent feasible EPA is not to require any unnecessary or duplicative reporting. See TSCA section 8(a)(2). For purposes of section 8(a), manufacturers and processors are persons who manufacture or process chemicals "for commercial purposes" (see TSCA section 8(f)). Furthermore, section 8(a) generally exempts small manufacturers or processors from the provisions of section 8(a) rules, although these persons may be subject to 8(a) under certain circumstances. See TSCA section 8(a)(3)(A)(ii).

B. Scope, Purpose, and Use of This Rule

This rule will gather information needed primarily for preliminary assessment of the chemical substances subject to it. It may also be used for some chemicals beyond the preliminary assessment stage. This information together with information otherwise available to the EPA from the scientific literature, other agencies, and chemical information publications will be used to rank the chemicals for investigation. It will also be used to make preliminary risk assessments of selected chemicals. To some extent the rule will be used to support test rules under section 4(a) of TSCA.

The chemicals chosen for this rule will be those with apparently high exposure potential or for which information about toxicity has been previously obtained or both.

The EPA plans to amend this rule in the future to add more chemical substances to the list of chemical substances subject to its reporting and recordkeeping requirements. The requirement to report on those chemicals will be subject to public comment.

C. Future Rules

The Office of Pesticides and Toxic Substances (OPTS) is developing a set of three kinds of TSCA section 8(a) reporting rules: "Preliminary Assessment Information Rule" (this rule), "General Assessment Information Rule" and "Detailed Assessment Information Rule." The rules will be designed to obtain information appropriate to the needs of initial, middle, and later stages of assessment of chemical substances.

The set of rules, when complete, will present a progression of increasingly detailed reporting requirements that begins by covering several thousand chemicals and ends by focusing on a few priority chemicals. In this way, the Agency will gather information on any one chemical at a level of detail warranted by its place in the risk assessment process. The risk assessment process is described under section four of this supplementary information statement. An advance notice of proposed rulemaking will be

published soon to solicit comments on development of these future rules.

D. Comments Sought

The Agency urges *all* manufacturers, importers, and processors of chemical substances and mixtures to comment on this proposal whether or not they are associated with the chemicals proposed now. It should be assumed that any chemical substance or mixture may in the future become subject to the promulgated rule. The reporting and recordkeeping provisions of the rule will remain the same once the rule is promulgated, but the list of chemicals subject to these requirements will be increased by amendment. Comments will be solicited in the future on the chemicals to be added. Comments on the requirements and procedures of the rule should be submitted now.

On June 27, 1979, EPA published an Advance Notice of Proposed Rulemaking (ANPR), 44 FR 37517, soliciting comment on proposing this type of rule. Many informative comments were received in response. In addition, EPA staff have met with interested persons from public interest groups and from the chemical industry. Comments received and minutes of meetings are available in the public record of this rulemaking.

2. Contents of the Rule

A. Summary

This proposal consists of a rule with a reporting form. The proposal contains two phases of reporting. First, manufacturers and importers of specified chemical substances would be required to answer general questions concerning production, use, and methods of processing with regard to those chemicals, including use of the chemicals by their customers. Second, if manufacturers or importers have been unable to report customer uses, their customers may be required to submit this information to EPA. This subsequent customer reporting would not be required unless the aggregated data from the initial reports on a particular chemical are insufficient for evaluation.

B. Chemicals Subject to the Rule

This proposed rule would apply to the approximately 2300 chemical substances listed in section 712.18(a). (Chemicals are listed in order by Chemical Abstracts Service Registry numbers. An alphabetical listing of chemical names is available from the Industry Assistance Office.) Categories of chemicals as well as distinct compounds are included. These chemicals were chosen for the purpose of screening and ranking to find those deserving further investigation. (This ranking procedure is discussed under item 4 of this preamble.) These chemicals are ones for which there are reasons to believe there is or may be significant toxicity or significant exposure. The following sources were used to select these chemicals:

(1) One source is a master list of chemicals that was generated by the Interagency Testing Committee (ITC) established under TSCA section 4(e). (See the "Initial Report to the Administrator, Environmental Protection Agency", TSCA Interagency Testing Committee, 42 FR 55026–55080, for a description of the master list and the scoring methodology used by the ITC.) This list is composed of chemicals that have been listed by various Federal agencies as being of concern. Many chemicals on the list have been scored for exposure potential by the ITC's contractor, but some chemicals could not be scored because no use and exposure data were available. Approximately 300 of these chemicals are on the inventory of chemicals in commerce compiled in accordance with section 8(b) of TSCA (see 40 CFR 710; 42 FR 64572; also 44 FR 28558). These 300 are included in this rule.

(2) Some chemicals on the ITC master list for which there is some minimal use and exposure data were scored by the ITC for biological activity. Those chemicals with resulting high known or suspected toxicity that are also on the inventory are included in this rule.

(3) Approximately 1500 chemicals were taken from a list of chemicals with relatively high production volumes reported for the inventory. Their high production raises the possibility of significant exposures. If a chemical's exposure proves to be significant, EPA will attempt to evaluate its toxicity. If the toxicity is high, the chemical will be given high priority for further action. If the toxicity is unknown, the chemical may be considered for testing. However, if substantial evidence shows the chemical is not significantly toxic, it will be dropped from consideration.

As a further selection criterion for these three groups of chemicals, each chemical for which data appeared in *both* the "Chemical Economics Handbook" of the Stanford Research Institute and the "National Occupational Hazard Survey" (NOHS) conducted by the National Institute for Occupational Safety and Health (NIOSH) was eliminated. The Agency recognizes that data from these two sources are generally less detailed than those required under this rule. However, appearance of data in both sources is an indicator of the probable availability of adequate data in the various types of literature for preliminary exposure ranking. An additional survey of other sources will be conducted to ensure that EPA does not require duplicative reporting of available information. The Agency will also consider eliminating those chemicals with substantial evidence of extremely low toxicity. If commenters wish to eliminate chemicals on this basis, they must provide comprehensive complete toxicity data.[1] As a result of these reviews and consideration of public comments the Agency will probably delete some of the proposed chemicals from the final rule.

Chemicals with undefined or variable composition and polymers are not included in the rule. Polymers were not included because it is the residual monomers and additives (or possibly degradation products) that are usually of concern and these would be individually treated in this or subsequent rules. Undefined or variable composition compounds (e.g., cellulose derivatives, refinery streams) or compounds that are otherwise not well-characterized are not included because the assessment of such complex materials requires more specific information than that which will be obtained under this rule. EPA intends to review these complex chemicals further and may include them in later rules.

(4) The other group of chemicals in the rule includes chemicals which are of concern to the Agency as a result of incomplete preliminary assessments and for which sufficient information for completion of those assessments is lacking. These chemicals include chemicals for which partial assessment documents have been written, chemicals reported under section 8(e) of TSCA (substantial risk notification see 43 FR 11110), substitutes for polybrominated biphenyls (PBB's), and certain chemicals being considered for possible recommendations for testing under TSCA section 4 by the ITC, for which that committee has requested the Agency's assistance in obtaining exposure-related data. (See the rulemaking record for support documents under the title "Chemical Source Lists" for further information.)

(5) EPA proposes to include in this rule the chemicals designated by the

[1] The Agency considers the following kinds of studies to be necessary to review independent of one another for evidence of extremely low toxicity: chronic effects studies, long term oncogenicity, mutagenicity, teratogenicity and reproductive effects studies, as well as environmental fate and persistence data and environmental effects studies. Data showing no or extremely low effects must have been generated according to acceptable study protocols.

Interagency Testing Committee for priority testing under section 4 of TSCA. The information obtained under this rule is expected to be useful in making decisions about whether to test chemicals recommended by the ITC and in developing appropriate support documents. To the extent that EPA already has or expects to obtain much of this information through other means (as is the case for certain of the ITC chemicals) or determines that acquisition of such data does not appear to be necessary for section 4(a) purposes, EPA will delete those substances from the list in the final rule.

EPA may also decide to seek further information for some of the ITC chemicals. A decision about how best to integrate the ITC chemicals into the section 8(a) process will be based on comments received during this rulemaking and section 4(a) proceedings, EPA's experience with developing test rules, and its experience with information received under statutory authority and by voluntary means. (See the rulemaking record in this proceeding, documents titled "Chemical Source Lists," for further information).

The Agency requests comments concerning whether there is a source of adequate use and exposure data for any of these chemicals of which the Agency may be unaware. The Agency will consider elimination of chemicals proposed in this notice. The Agency encourages voluntary submission of the kinds of data requested in the proposed rule.

Additional chemicals may be recommended in comments. However, the Agency will reserve them for future amendment of the rule to allow public comment on the inclusion of such chemicals. In addition, the selection criteria used to compile the proposed list of chemicals may be changed in later iterations of this rule. In particular, the method of screening out chemicals for which adequate exposure-related information is likely to be available through existing data bases and studies may be revised based on comments received on this proposal.

C. Who Must Report

The proposed rule would require the manufacturers, including importers, of the chemicals listed in section 712.18(a) to complete and submit the proposed EPA form (see Appendix I of the proposed rule) within 60 days of the effective date of the rule. The direct customers of manufacturers would be subject to subsequent reporting of the information requested in Part B of the form, but only if manufacturers cannot supply sufficient information. The customers required to report would be processors or manufacturers. Persons who mine chemical substances are manufacturers and are subject to initial reporting. Customers could include repackagers, persons who incorporate chemical substances into mixtures or articles, and persons who react chemical substances.

The following manufacturers and importers would be excluded from the initial requirement to submit the form. Each proposed exclusion will be reconsidered in response to public comment. The final rule may include some persons covered by the proposed exclusions. Therefore, commenters should address these exclusions with this possibility in mind.

(1) *Those who manufacture or import the substance solely for research and development purposes.* The exclusion of the relatively small quantities involved in research and development should not significantly affect the aggregate exposure scores for a chemical. In addition, since research and development is periodic and relatively short-term in many cases, we do not expect a significant effect on scores. (Test-marketing is not considered part of research and development.)

(2) *Small manufacturers and importers.* (See section 7 of this preamble, "Small Manufacturers and Processors".)

(3) *Those who manufacture or import the substance as an impurity.* Information on chemical substances as impurities is considered to be more appropriate for reporting under later rules after investigatory efforts are focused more narrowly on fewer selected chemicals. The Agency believes reporting on impurities at this stage would be an unnecessary burden on persons reporting since they would have to perform qualitative and quantitative analyses of impurities before they could report. On balance, this burden seems more appropriate for later, more detailed rules.

(4) *Those who import the substance as a component of articles* (e.g., plastic, coated, or dyed articles). According to comments received in previous rulemakings, importers are not necessarily aware of the chemical components of the articles they import. (See Inventory Reporting Requirements, 42 FR 39185 and 42 FR 53805). The Agency does not think it is necessary for the purposes of this rule to ascertain this information.

(5) *Those who manufacture the substance as a non-isolated intermediate.* Non-isolated intermediates, by definition, have little or no exposure potential since they remain in the reaction vessel and are thus proposed to be excluded from priority consideration.

(6) *Those who manufacture the substance solely as a byproduct of manufacture of another substance(s) and do not use or sell it.* Chemicals chosen for this rule will primarily be ones that are on the inventory of chemicals in commerce, and that therefore, presumably, have a market. It seems likely that an effort would be made to recover and use these chemicals if they are made in any significant quantities. (If recovered and used, they would be reportable.) Moreover, it is sometimes the case that the distinct chemical composition of waste streams is not known. Information on byproducts from EPA's Office of Water and Waste Management programs will be used as necessary for preliminary assessments. The agency is also considering an alternative whereby persons would identify significant quantities of a chemical that are produced as a byproduct. Under this alternative, the only persons covered by the byproduct exclusion would be those who make *less* than a certain quantity of byproduct; e.g., that quantity could be 100,000 pounds, 10,000 pounds, or some other figure.

(7) *Manufacturers and importers of mixtures.* Unless they also manufacture the chemical substance(s) they mix, mixture manufacturers are only subject to subsequent customer reporting. Further, this subsequent report would not be required if their activities are adequately described by the manufacturers of the chemical substance(s) in the initial reporting under the rule. Manufacturers of mixtures are processors of the chemical substances they mix. (A person may both manufacture a chemical substance and formulate a mixture containing that substance; in which case, he would be subject to the initial reporting requirement.)

While this rule is not directed to information about mixtures *per se*, it will under the customer reporting requirements (see section 3 of the preamble) require submission of information by persons who manufacture or process mixtures. To the extent that information is required from such persons, such information will be necessary to establish exposure and use information that will aid the Administrator in invoking the provisions of TSCA. Accordingly, the Administrator finds that it is necessary for effective enforcement of TSCA to

obtain limited information on mixtures under this rule.

Importers of mixtures, on the other hand, will not have their activities described since their suppliers are foreign. By excluding mixture importers the Agency may not discover possibly significant quantities of a chemical that are coming into the country as part of a mixture. One remedy is to have initial reporting by mixture importers, which would involve requiring them to find out the identity of ingredients of mixtures imported. Do importers know the composition of the mixtures they import? If not, is this information reasonably ascertainable? The Agency solicits comment on the significances of the quantities of chemicals imported as mixtures. (Chemicals imported in bulk are subject to the proposed rule.)

In general, having the persons listed above report initially would result in a burdent that may not be justified for the purposes of this rule. Information that might be provided by those excluded can be obtained as needed either through customer reports under this rule or, for fewer chemicals, under subsequent section 8 rules. Since the purpose of the rule is to identify chemicals with major exposure potentials, the Agency believes the general information that can be provided by primary manufacturers and importers and a few selected customers will be sufficient. Commenters should address this view when commenting on the exclusions. For chemicals that might indirectly present exposure risks (e.g., via impurity contamination or as components of articles) additional, more detailed information will be obtained under the General and Detailed Assessment Information Rules—after a significant suspicion of toxicity hazards has been identified.

The Agency requests comments on the appropriateness of the proposed exclusions.

D. Content of the Reporting Form

The proposed form would require reports of the quantities of a chemical that are being handled in various ways by both industrial workers and the general population. It would also indicate how much of the chemical is released to the environment. For details of the form, see "Preliminary Assessment Information Report", with instructions, which appears in Appendix I.

Form Part A: Manufacturers' Activities

Part A of the form requires the chemical manufacturing company to answer questions describing its methods of manufacturing and its own uses of the reported chemical after manufacture. The parent company is to report the data on one form for all plant sites it owns or controls. The parent company owns or controls another company if the parent owns or controls 50% or more of the other company's voting stock. Companies must report how much of the chemical was made and how much was lost to the environment for the previous calendar year. Respondents must identify the general manufacturing process types employed (open, controlled release, or enclosed), the number of workers involved, how much of the chemical was used and over what period of time. The headquarters or parent company then must report on its own plants' and subsidiaries' uses in three broad categories of use: (1) "Use as a Reactant", where the chemical is reacted and therefore no longer exists as such; (2) "Use Other Than as a Reactant", where the chemical is not changed; and (3) "Consumer Products", where the company also produces a consumer product containing the chemical.[2] The Agency requests comments on whether reporting should be by headquarters, as proposed, or by individual plant sites.

In question 4, the form asks the manfacturer to identify by process type the total quantity of the chemical manufactured, the number of workers and the length of time they work with the chemical. So that total worker exposure at manufacturing plant sites is not underestimated, the submitter should report *total* chemical production, regardless of its ultimate use. All other questions refer only to chemical production regulable under TSCA. (See the discussion under section 4, part D "Information on Non-TSCA Uses".)

For use in consumer products, question 7, persons must identify the type of exposure potential possible to the consumer simply by describing the chemical as being part of an article that does or does not release the chemical during normal use, or as being a substance or a mixture that is itself used by the consumer. This section also asks how much of the chemical the manufacturer sells to persons who only distribute the chemical. Use of the chemical by customers is to be reported under Part B.

Form Part B: Use of the Chemical by Others

In many cases a manufacturer or importer sells a chemical to another company that, in turn, manufactures another chemical substance, makes a mixture, or otherwise prepares a substance for distribution. In Part B of the form manufacturers are to report on their customers' use of the chemical. Manufacturers are asked to specify how much of the chemical is reacted or not reacted by the customers, what process types they use, and how much of the chemical is incorporated into articles. Manufacturers are also asked if their customers incorporate the chemical into consumer products and, if so, how much goes into articles or is used directly by consumers.

Question 12 asks for the quantity of the chemical that is exported in bulk. This quantity subtracted from the total production will aid in estimating the amount of the chemical that is used in the United States that may be released in this country. The Agency has explored other sources for this information in developing regulations under TSCA section 12, notice of exportation (see proposed rule, 44 FR 56857). While the Census Bureau does monitor exports, this information is not chemical-specific (i.e., figures are kept on broad categories of chemicals).

E. Reporting Schedule and Procedure

The proposed rule contains two rounds of reporting: (1) initial reports on the form by manufacturers and importers of specified chemicals and (2) subsequent reports for Part B of the form by certain customers of those initial respondents.

The proposal requires manufacturers and importers to maintain records of their customers. The records of customers using a particular chemical would be submitted to the EPA if, after aggregation and evaluation of the forms received in the initial reporting, the Agency determines that the manufacturer reported significant quantities of customers use or exposure as "unknown". The records then would be used to identify the customers who must report under the subsequent reporting requirement. EPA would contact the customers by letter instructing them to supply the information in Part B of the form. Customers would be subject to this reporting for a period of two years after the effective date of the rule.

Customers who may have to report will be the immediate customers of the manufacturers or importers filing initial reports. Such customers could include makers of mixtures, other chemical substances, and articles, and repackagers. The Agency has authority to require subsequent reports from chemical manufacturers and processors

[2] Note: The "use" to which a manufacturer or a manufacturer's customer puts a chemical may technically be described as "processing" as defined in section 3 of TSCA.

further down the commercial chain, e.g., from the customers of the mixture maker or repackager. However, this could require a very large number of time-consuming rounds of reports, letters for customer lists, and letters to the appropriate customers. The issue of who should report is discussed more fully in section 3 of this preamble.

F. Customer Lists

As described above, manufacturers and importers must maintain customer records for a period of two years. EPA could, under the rule, send a certified letter to a company requiring submission of a list of customers for which that company did not report uses or exposures (the complete customer records would also be subject to inspection under section 11 of TSCA). EPA would use this list to decide which customers should submit subsequent reports. Submission of customer lists would be required only when significant quantities for customer activities were reported as unknown in the initial manufacturer reports and the toxicity of the chemical is either significant or unknown. The amount of this unknown information would also have to be great enough to make it impracticable to complete evaluation of the chemical.

Section 712.18(b) of the rule is reserved for a separate list of chemicals for which customer lists would be submitted at the same time as the form. At present EPA has not identified any chemicals for this list. However, in the future, chemicals for which immediate customer identification is necessary may be proposed. The Agency will propose for comment the chemical substances for which customer lists are to be submitted immediately and the reasons they are needed.

Industry comments have expressed much concern over providing customer lists to EPA because of their competitive value. However, EPA will safeguard any information determined to be confidential business information as provided in 40 CFR Part 2, as amended on September 8, 1978 (43 FR 39997) and March 23, 1979 (44 FR 17673).

The Agency is also considering the alternative of a general requirement for all customers to report for those chemicals whose uses are unknown to their manufacturers. As described above, the Agency would review the manufacturers' forms and would identify chemicals where significant quantities were reported as unknown with respect to customer uses. OPTS would then issue, under this rule, a Federal Register notice that would be effective without further comment for those chemicals. The requirement would state that all persons who purchase any one of the specified chemical substances from its manufacturer must report the use information for Part B of the form. This alternative, because it would not be as selective as the proposed contact of listed customers, would increase the number of customers who have to report; however, it would avoid the problem of submission of sensitive customer lists to EPA. One difficulty may be that some customers who buy tradename products would not know they are subject to reporting, unless specifically notified by the manufacturer or EPA.

3. Issues and Comments Received on the Reporting of Uses and Exposures

A. Knowledge of Customers' Uses

The Advance Notice of Proposed Rulemaking requested comments on the sufficiency of manufacturers' and importers' knowledge of their customers' uses and methods of processing. Most industry commenters said that only their customers would have specific use information. Many industry commenters said they would not have exposure-related information for their customers. Nonetheless, many also agreed that manufacturers do know general information of the kind appearing in this proposed rule. This knowledge could be significantly limited, they said, depending on the following factors:

(1) Production volume—Large volume manufacturers can identify the major uses for the chemical which account for a large percentage of their production, but may not know minor uses.

(2) Use of distributors—If the manufacturer sells to a distributor, he may or may not know the chemical's uses.

(3) Specialty chemicals and proprietary products—Uses of specialty chemicals may be proprietary and may not be revealed to a manufacturer since he is a potential competitor.

For (1) and (3), where manufacturers do not know their customers' uses, EPA will contact the customers as needed. For sale to distributors, however, under section 8(a) of TSCA, the Agency cannot require reports from distributors. The proposal does include a provision to report how much was sold to distributors and to record them as customers. EPA could then request the distributors to voluntarily supply information. If significant quantities are sold to distributors and information is not given voluntarily, it may be necessary to require reports under another rulemaking from all processors who buy from distributors.

One of the points made by industry commenters was that they do not generally know exposure related information for their customers' plant sites or products. The form does not directly ask manufacturers to describe exposure as such. Instead, it asks for the types of processes used by the customers and whether consumer articles or mixtures are made by them. EPA will then arrive at exposure potentials from this information. Some industry comments have indicated that this information is often known.

Perhaps the most significant issue raised by industry representatives is that while a company knows how its customers use a chemical, such information may be subject to formal or informal agreements to keep the information confidential. EPA has the authority to obtain such information insofar as it is known or reasonably ascertainable, regardless of any secrecy agreements. However, this rule does not propose requiring reporting of this information for the following reasons: (1) for the most part, manufacturers can describe their customers' uses in the general categories provided without revealing significant trade secrets and (2) the rule provides customers the opportunity to make and substantiate claims of confidentiality to EPA. The rule instead allows manufacturers to report uses and exposures that are either truly unknown or subject to secrecy agreements as "unknown". EPA would then have the option of obtaining a report, together with the confidentiality claims, directly from the customer.

In addition, the ANPR solicited comment on an importer's ability to answer questions on the form. Industry comments expressed the view that importers would have similar or slightly less information than manufacturers. One commenter suggested that only importers of chemicals not manufactured in the U.S. be required to report, rather than all importers, since the uses of those chemicals made in the U.S. would be described by domestic manufacturers. However, the proposal is intended to obtain quantitative data on chemical uses; therefore, it is important that importers supply volumes imported and indicate use information, which could be significant. In addition, importers may have different uses for chemicals than do customers of domestic manufacturers. However, the Agency again requests comments on the appropriateness of including importers.

B. Accuracy Required

Another point made by industry commenters is that they would be able

to provide *estimates* for quantities used in various ways, but that they could not supply very accurate data, especially about customer activities. This does not present a problem for the Agency since detailed information is not necessary for priority-setting and preliminary assessments. Therefore, the proposal prescribes that quantities be given within an accuracy of ±50% (e.g., 100,000 kg±50,000 kg). Several other alternatives are being considered. For example, there could be two standards of accuracy: (1) when reporting their own activities, companies would give quantities accurate to two significant figures, and (2) in describing customer activities, give values to ±50%. Another alternative being considered by the Agency is to allow companies to specify the level of accuracy they are best able to obtain for each estimate. Differences in accuracy could also be required for manufacturer versus customer information; e.g., ±20% for the former, ±50% for the latter. Any one of these alternatives may be adopted in the final rule. Commenters should consider this possibility when addressing this issue.

In addition, since estimates are acceptable, the proposal describes a minimum level of effort to obtain the requested data. Only information that is readily obtainable by a company's management and supervisory employees must be provided. Extensive file searches would not be required. Companies should be able to report by making a survey of production, technical services, and marketing managers and supervisors.

If the reporting company is not sufficiently certain that the actual values fall within the required accuracy, it should report the quantity as "unknown." EPA encourages good faith estimates; however, a certain level of accuracy must be maintained if the values are to be aggregated and compared. The Agency requests comments on whether manufacturers should be allowed to report "unknown" for questions concerning their own activities or only their customers' activities.

The Agency solicits comments on the accuracy of reporting required and on how the level of effort to obtain information should be delineated.

C. Subsequent Reports by Customers

As proposed, the rule would require reports from customers upon notification by certified letter from EPA. Customers would provide the information the manufacturers were unable to provide in Part B of EPA Form No. 7710-35. The Agency may use the same form or develop a slightly modified form for customer reports. Customers would only have to report information on their own activities. The required accuracy of reported quantities would be the same as it is for manufacturers making *initial* reports on their own activities. "Small" manufacturers and processors would not be subject to this requirement (see section 7, below, "Small Manufacturers and Processors"). This follow-up provision would only be used when significant quantities of the chemical are reported by all manufacturers under the "unknown" category. EPA has the authority to require all manufacturers and processors to report initially; however, this approach is proposed in an effort to reduce the reporting burden.

Some industry commenters have suggested that all customers be required to submit subsequent reports so that companies who have not had their activities described by manufacturers are not burdened more than those who have. However, the proposed rule was designed with an effort to minimize the overall reporting burden on industry; the result of universal follow-up would be to defeat this effort and to duplicate information that is reported by manufacturers.

The Agency solicits comment on whether all customers should be required to submit subsequent reports, whether sampling is possible, or whether only customers whose activities are unknown should report.

4. Issues and Comments on Reporting Information Under Section 8(a)

The Agency has received comment that it should obtain under this rule sufficient data to conduct complete risk assessments for as many chemicals as possible. While the Agency would prefer to have ready access to complete data on any chemical that may come to its attention, this is not practical or feasible. The Agency simply does not have the resources to examine in a relatively short period of time detailed data on large numbers of chemicals. EPA believes it is unnecessary to subject chemical manufacturers and processors to such a substantial reporting burden in order to supply EPA with information that will become significantly outdated before it can be reviewed. Because of this resource limitation and the burden on industry, OPTS has developed the assessment process and corresponding reporting rules described below.

A. OPTS Assessment Process

OPTS has developed a sequence of decision stages in the assessment of chemical substances. They begin with an initial screening of several thousand chemicals. This screening is based on factors such as high production volume, high exposure potential, toxicity, structural similarity to a toxic substance, and other indications that the chemical may be of concern. A few hundred of those chemicals are then selected for preliminary assessment. A Chemical Hazard Information Profile (CHIP) is written that briefly describes readily available information on a chemical's toxicity and exposure.

If, upon evaluation of the CHIP, OPTS decides the chemical deserves further investigation, the chemical enters the first indepth phase of assessment. In this next phase, extensive literature searches are conducted and information from other agencies and other sources is collected. OPTS produces a detailed analysis and validation of key effects and exposure data and identifies the most important effects and potential exposure sources for a chemical. Section 4 testing may be recommended at this stage.

This work is reviewed and a decision made whether to pass a chemical on to the next assessment phase. The purpose of this last pre-regulatory phase is to evaluate the risks associated with specific uses or other activities involving the chemical that are of possible regulatory interest. The results of this assessment are then used to decide whether and how a chemical should be regulated.

This process thus begins with a preliminary review of several thousand chemicals and progresses through increasingly detailed investigations of fewer and fewer chemicals until appropriate chemicals are recommended for regulation. As chemicals proceed through the OPTS assessment process, information is continually being collected and evaluated. This information comes from many sources: literature searches, contractor studies, TSCA section 4 testing, interagency information exchanges, and TSCA section 8 rules. This rule is the first in a set of three section 8(a) rules to aid the assessment process. To match the assessment process and to reduce the burdensome collection of information that may not be needed, this set of rules will obtain different levels of detailed information commensurate with the assessment phase a chemical substance is in. These rules are:

Preliminary Assessment Information Rule: designed to provide exposure-related information useful in selecting candidates for CHIPs and to supply such information for inclusion in the CHIP.

General Assessment Information Rule: designed to provide information for the first in-depth phase of

assessment. More detailed use, exposure, and toxicity information will be gathered.

Detailed Assessment Information Rule: designed for the detailed questions that must be addressed in identifying what regulatory controls are needed for individual chemicals.

The latter two rules will be developed over the next several months. Certain of the chemicals proposed for this rule, such as those designated by the ITC for priority TSCA section 4 testing, may be covered as well by these later rules or special rules for ITC chemicals. Because the risk assessment process for these chemicals proceeds in a somewhat different sequence, future rules may have to be tailored more closely to the ITC chemicals. An advance notice of proposed rulemaking will be published soon to request comment on development of these rules.

It is important to note that a chemical need not proceed through each section 8(a) rule prior to regulation. Other information sources will be utilized. In fact, several chemicals already have sufficient information to place them in the later phases of assessment.

This systematic screening process should identify and accumulate sufficient information on chemicals in need of priority attention. Other toxic substances that may be missed by this process will be identified through TSCA section 8(e) notices of substantial risk, citizens' petition under TSCA section 21, allegations of significant adverse reactions collected under TSCA section 8(c), and other information available to the Agency.

B. Preliminary Assessment Process

EPA has determined that it should obtain broad use-exposure data for purposes of this rule for several reasons. First, finer details would be lost and unnecessary in the process of setting relative priorities among a few thousand chemicals. Second, it is more likely that manufacturers will more accurately be able to describe their customers' activities by such categories. Third, these broad categories should obviate most problems of revealing customer trade secrets. Fourth, in developing the form, the Agency found that the alternative to this simple set of categories is a significantly more complex system. For example, in an effort to describe the possible uses of chemicals the Agency had developed a list of several thousand function and application terms ("Chemical Use List", 43 FR 32222). These in turn would have to be related to a measure of exposure for each use. Not only is such detail unnecessary for preliminary assessment, it would be highly resource intensive for both EPA and industry given the large number of chemicals involved. Such an exercise is more appropriate for the later section 8(a) rules that concentrate on fewer chemicals. The Agency thinks the proposed form will obtain valuable information for both priority-setting and preliminary assessment.

Information for this rule, along with other relevant exposure information will be fed into a system for scoring exposure-related factors. The results of the scoring process will be a list of chemicals ranked according to exposure potential.

The scoring system will be a modification of the TSCA Interagency Testing Committee methodology (42 FR 55026–55080). A contract will be awarded to develop and implement this system. The scoring system will address three basic modes of exposure:

(1) Occupational exposure.

(2) General population exposure, i.e., exposure due to the presence of the chemical in the ambient environment. An assessment of general population exposure includes a consideration of all organisms at risk.

(3) Consumer exposure, i.e., exposure to humans which results from the use of a consumer product which contains the chemical.

Questions 1–12 in the Preliminary Assessment Information Report Form (EPA Form No. 7710–35) are each relevant to an assessment of at least one mode of exposure. These information items are discussed below.

Data on total quantities imported and manufactured for sale or use (form questions 1 and 2) can be used for rough estimates of occupational and general population exposure. These data are also necessary so that other data elements on the form can be verified by materials balance calculations.

Data on quantities manufactured but not recovered, i.e., fugitive emissions, presence in treated wastes (form questions 3a, b, and c) provide estimates of environmental release. These data are useful for an assessment of general population exposure.

Information concerning process types and the number of workers involved in manufacture and industrial use (form questions 4, 5, 6, and 9) relates primarily to an assessment of occupational exposure. The information on process types can also be used for environmental release estimates. This information is thus useful for assessments of general population exposure.

Information concerning the use of a chemical in consumer products (form questions 7, 10, and 11) is related primarily to potential consumer exposure. It also provides some information relevant to environmental release and can be used in estimating general population exposure.

Information concerning the quantities of a chemical exported (form question 12) relates to a determination of the priority OPTS should give to committing resources to study the chemical further.

The utility of preliminary assessment data is not limited to their input to an exposure scoring system. Individual data elements will at times be very helpful to both selection of chemicals for CHIP preparation and the CHIP report itself. For example, if a chemical causes severe toxic effects and preliminary assessment indicates its presence in consumer products, this information may trigger a CHIP report, regardless of the chemical's overall exposure score. This data will also be incorporated in CHIP reports, since this type of information is not usually available from published sources.

C. Alternatives to Reporting

The Agency requested comments in the ANPR on alternatives to required reporting. Most commenters suggested searching trade journals and other literature sources, such as Stanford Research Institute's "Chemical Economics Handbook" or National Institute for Occupational Safety and Health Criteria Documents. Indeed, the "Handbook" was used and other agencies will be surveyed. However, as commenters noted, much information is confidential and so not available in public sources. in addition, one commenter noted that uses cited in the literature can be misleading in that such uses may not be commercially significant. The Agency's experience is that there rarely is quantitative data on uses. More often there is only a listing of possible uses. Some comments suggested the use of appropriate trade associations; but as one industry commenter pointed out, the volume of data that is involved in surveying over 2000 chemicals is beyond their capabilities. Other comments noted that there are no public sources of exposure information.

One suggestion offered in the ANPR was for the Agency to present a presumptive exposure evaluation which companies could then refute. One commenter stated this could unjustly condemn a chemical in the public's mind regardless of the information eventually accumulated. Further, for the most part, the chemicals in this rule are ones for which there is little or no exposure information on which to base such a presumption.

The Agency will continue its review of the chemicals proposed for this rule. Literature surveys, interagency queries, and comments to this proposal will be reviewed to determine whether there is already available sufficient information for this stage of the assessment process. This review will likely result in the elimination of some chemicals from the proposed list.

Commenters also suggested applying this rule to a smaller number of chemicals, both in consideration of the burden of reporting and of the expected need to modify a new major reporting program. The Agency thinks the long length of time necessary to undergo rulemaking would unnecessarily delay the receipt of important information needed for the implementation of TSCA. Further, without addressing a large number of chemicals it would not be possible to identify a fair sample of chemicals in need of investigation. In addition, it is hoped that through numerous discussions and public comment the final form will be made to work well.

D. Information on Non-TSCA Uses

TSCA gives EPA regulatory authority over "chemical substances" and "mixtures." Section 3(2)(B) of TSCA excludes several types of chemicals from the definition of the term "chemical substance." Among these exclusions are the following:

(ii) any pesticide (as defined in the Federal Insecticide, Fungicide and Rodenticide Act [FIFRA]) when manufactured, processed, or distributed in commerce for use as a pesticide,

* * *

(vi) any food, food additive, drug, cosmetic, or device (as such terms are defined in section 201 of the Federal Food, Drug and Cosmetic Act [FFDCA]) when manufactured, processed, or distributed in commerce for use as a food, food additive, drug, cosmetic or device.

Many chemicals subject to regulation under FIFRA or the FFDCA, however, are also used as chemical substances which may be regulated under TSCA. Part of a company's production or use may be subject to TSCA and part subject to regulation under the other authorities. For EPA's interpretation on when the different statutes are applicable in specific circumstances see 42 FR 64585–86 (1977) and 43 FR 11115–16 (1978).

On question 4 of EPA Form No. 7710–35 the Agency proposes to require a manufacturer to report the total quantity of the chemical he manufactures (including quantities not regulable under TSCA) and to report information on the number of people who work with the chemical and for how long. EPA requests total chemical production information in order to insure that the worker exposure to the chemical is not underestimated. The risk of worker exposure is independent of the statutory authority under which the chemical may be regulated.

EPA believes it has the authority to obtain information on the total quantity of chemical produced by a manufacturer even though some of that production is beyond EPA's regulatory authority. Section 8(a) authorizes EPA to obtain from chemical manufacturers such information as the Agency may "reasonably require". In the very limited circumstances of this rule it is reasonable for EPA to require information on total chemical production in order to properly assess worker exposure and set priorities. Further, persons required to report will experience a negligible incremental burden in reporting total chemical production as opposed to only TSCA production.

EPA realizes that its position on this issue may be controversial and the Agency especially solicits comments on the authority it is asserting to obtain limited production data on non-TSCA chemicals that are also regulable under TSCA. EPA also solicits suggestions on methods to properly assess worker exposure without obtaining data on total production of the chemical to which the worker may be exposed. Note that section 8(a)(2) of TSCA specifically states that EPA may obtain data on the number of workers exposed to a chemical substance and duration of such exposure. The Agency believes that worker exposure to a particular chemical stream cannot reasonably be separated into the exposure to the TSCA and non-TSCA regulable proportions.

5. Confidentiality

Most of the information reported on EPA Form No. 7710–35 may be claimed as confidential. If customer lists are requested, a provision for claiming them confidential will be included in the requesting letter. Specific chemical identity could only be claimed if it was claimed confidential in submitting a "Chemical Substance Inventory Report" under 40 CFR 710 or a premanufacture notice under TSCA section 5. To protect the link between a specific chemical and the manufacturer, or the link between the manufacturer and his activities, the manufacturer's identity could be claimed as confidential. Production volume may be claimed confidential. However, the Agency requests comments on whether the final rule should not permit claims of confidentiality for use and process categories. It may be argued that, since the categories are so broad and general, confidentiality would not be a problem.

The final form will include boxes to be checked for all claims of confidentiality. Such claims will require substantiation. Appendix II of this notice contains a proposed scheme for substantiating claims. A box would be provided for each item of information, with substantiation to be provided by category of information. Alternatively, substantiation could be required on an item-by-item basis. The Agency solicits suggestions for mechanisms for making confidentiality claims on the form and submitting substantiations.

6. Definitions

Most of the definitions in this proposal are taken, some with minor and nonsubstantive modifications, from the Inventory Reporting Regulations, 40 CFR 710.2, the proposed Premanufacture Notification Rule, 44 FR 2264, and the proposed Health and Safety Study Reporting Rule, 44 FR 77470.

7. Small Manufacturers and Processors

Section 8(a)(3) requires the Administrator to prescribe, by rule, standards for determining who may qualify as a small manufacturer or processor. Such small businesses are then exempt from section 8(a) rule requirements, unless the chemical substance manufactured or processed is subject to certain proposed or final actions by the Agency, including section 4 test rules. It is possible that some of the chemicals proposed for this rule will be subject to proposed test rules under TSCA section 4 when this rule is promulgated. In that case, small manufacturers and processors *would* be subject to reporting for those chemicals. The following small business exclusion is proposed for this rule:

No manufacturing or processing company must report for a chemical substance if:

(1) its total sales for all products at all sites together are less than $30 million for the reportable year, AND

(2) its production volume at each site for the chemical reported was less than 100,000 pounds (45,400 kilograms) for the reportable year.

The reportable year is 1979 for these proposed chemicals. Figures would be based on activities at all of the plant sites controlled or owned by the reporting parent company. The parent company owns or controls another company if the parent owns or controls 50% or more of the other company's voting stock.

The Agency has done an economic analysis for this proposed rule using the reports from the Inventory Reporting Regulation (40 CFR 710) and Dun and Bradstreet data to estimate production and sales. The support document entitled "Economic Impact Analysis" is the source for the following figures.

The above criteria would eliminate approximately 9.5% of the companies that manufacture the chemicals subject to this proposal. Only 10% of the reports that could be submitted by all manufacturers for each chemical would be excluded. Given an estimated average of 5 chemicals per company, companies with sales less than $30 million could be subject to costs of approximately $2,600. This cost would only be incurred if production were greater than 100,000 lbs. for the reportable chemical. The Agency proposes that this quantity is significant in its possible exposure implications and therefore is justified. The savings to small companies amounts to about $580,000 altogether.

The Agency will consider comments on raising or lowering the sales or volume cut-offs of the proposed small business exclusion. One important consideration is that the cost to an individual small company could be great. This is particularly so with the requirement to report if production is greater than 100,000 lbs., since many companies that are "small" by virtue of their sales volume are not small with respect to their production volume. Indeed, as many as two thirds of the companies with sales under $30 million may not qualify as small because of the 100,000 lb. cut-off.

An alternative approach, that would relieve the burden on very small companies, is to totally exclude any company below a set sales value, regardless of production volume. Such a standard would be as:

(1) No company with total business sales below $x must report, and

(2) No company with total sales between $x and 30 million and that made *less* than 100,000 pounds of a reportable chemical substance at each site must report on that chemical.

If x were equal to $1 million, about 16% of the companies that manufacture the chemicals subject to this rule would be eliminated, with a loss of 13% of total possible reports and a savings to small companies of about $740,000. If x were $3 million, 24% of the total firms would be eliminated and 16% of the total reports would be lost and small companies would save about $1,040,000.

This second approach, while affecting a small percentage of possible reports, could eliminate significant information on uses peculiar to these smaller companies. The agency requests comments on whether the volumes and the uses of the chemicals manufactured by such small companies are apt to differ from those of larger companies. If a significant number of chemicals are made only by "small" companies as defined in this proposal it may be necessary to lower the sales and/or offer volume cut-offs.

The economic impact of this proposal is discussed generally in the next section of this preamble. The total cost of the rule does not vary greatly with changes in the sales cut-off since most of the reports will be completed by larger companies (primarily those greater than $100 million in sales) and since most of the chemicals are produced in large quantities.

The small business definition proposed for this rule has a relatively large sales cut-off of $30 million. This compares with previous definitions under TSCA rules of $5 million and $1 million (Inventory Reporting Regulations, 40 CFR 710.2(x), and proposed Premanufacture Notification Requirements, 44 FR 2277). The Agency proposes that, since the information is to be gathered for preliminary evaluations, rather than for detailed risk assessments, it is appropriate to exclude a relatively large portion of smaller firms. However, in later rules under section 8(a), e.g., the General and Detailed Assessment Information rules described above, that will apply to a fewer number of chemicals that are under scrutiny for possible control regulations, it will be necessary to obtain as complete a body of information as possible. Therefore, the definition of "small" will probably have a lower dollar value for those rules.

The Agency solicits comments on the various approaches to excluding small businesses from reporting requirements under this rule. Comments should include data on the impact on small companies and the likelihood that they have significant information for the Agency.

8. Economic Impact

A complete analysis of the economic impact of this proposed rule is included in the public record under the title, "Economic Impact Analysis". Copies may be requested. This section summarizes that analysis.

Approximately 1200 companies will be subject to the initial manufacturer report on the chemicals listed in the proposal. Based on the average of the number of reports (chemicals) per company and the small business exclusion discussed above, the total cost of the initial report would be $6 million. The cost to any one firm is dependent on the number of listed chemicals it manufactures. This number ranges from 1 to 300, with the estimated mean at about 5. Cost estimates are based on a $480 fixed cost per company and $420 variable cost per chemical.

Since the Agency does not know the extent to which manufacturers will be able to supply customer information, it is difficult to estimate the total cost of subsequent reporting by customers. The cost to a customer for filling in information for part B of the form should be much less than the cost of the manufacturer report since less information is involved (approximately $210 per processor). If the Agency follows up on 50 to 100 manufacturers, with 10 customers per manufacturer, the cost of customer follow-up would be about $105,000 to $210,000.

These costs could change significantly if comments to this notice result in changes for the final rule. If the accuracy required in reporting is increased or the kinds of companies that must report are expanded, the cost of the final rule could be much higher. For example:

(1) If the accuracy of reporting is changed to requiring two significant figures for manufacturer reports, the variable cost of filling in the form for one chemical could change from $420 to $1020.

(2) If persons who manufacture the chemical as a byproduct or impurity are included, the number of respondents would increase greatly. This would be affected by any applicable minimum volume cut-off. The larger the cut-off, the fewer the number of respondents.

(3) If processors were included in the initial report, the number of persons subject to the rule would increase at least 10-fold as there are at least 10 processors per chemical and probably more for the high volume chemicals; the cost would also increase significantly.

The Agency solicits comments on the economic impact of the proposed rule and on the impact of any of the alternatives mentioned in this preamble.

EPA has determined that this document does not constitute a major proposal requiring preparation of a Regulatory Analysis under Executive Order 12044.

9. Public Meetings

OPTS will arrange two or three public meetings in Washington, DC and elsewhere to discuss specific aspects of the proposal. These meetings will occur in the latter part of the public comment period.

If you have specific topics to suggest for discussion at such a meeting, please call the "For Further Information" number listed in the beginning of the preamble. The locations and times of the meetings will be announced in the Federal Register.

10. Rulemaking Record

The following documents constitute the administrative record for this rule (docket number OTS 082004). All documents are available to the public in the OPTS Reading Room, 8:00 a.m. to 4:00 p.m. weekdays. (Room 447, East Tower, 401 M Street, SW, Washington, DC 20460.) This record includes basic information considered by the Agency in developing the proposed rule. The Agency will supplement the record with additional information as it is received. The record includes the following categories of information:

(1) The Advance Notice for Proposed Rulemaking (44 FR 37517).

(2) Comments received on the Advance Notice.

(3) TSCA Interagency Testing Committee "Initial Report to the Administrator, Environmental Protection Agency" (42 FR 55026–55080).

(4) "Chemical Use List" (43 FR 32222).

(5) Comments received on the "Chemical Use List" referenced under the document control number OTS–010001.

(6) Drafts of the proposed rule and form that have been made public and comments received on them.

(7) Records of all communications and meetings between EPA personnel and persons outside the Agency pertaining to the development of this rule. (This does not include any inter- or intra-agency memoranda unless specifically noted in the index of the rulemaking record.]

(8) "Chemical Source List". This describes the sources and the criteria used to select chemicals for this rule.

(9) Economic Impact Analysis and references.

(10) Any factual information considered by the Agency in developing this rule.

(11) Comments received on this notice.

EPA will identify the complete rulemaking record on or before the date of promulgation of the regulation, as prescribed by section 19(a)(3) of TSCA, and will accept additional material for inclusion in the record at any time between this notice and that designation. The final rule will also permit persons to point out any errors or omissions in the record.

(Section 8(a) of the Toxic Substances Control Act, Pub. L. 94–469 (15 U.S.C. 2607).)

Dated: January 30, 1980.

Douglas Costle,

Administrator.

It is proposed to revise Part 712 of Chapter I of Title 40 as follows:

PART 712—GENERAL RECORDKEEPING AND REPORTING RULES

Subpart A—General

Sec.

712.1–712.9 [Reserved]

Subpart B—Preliminary Assessment Information

712.11 Scope and compliance.
712.12 Definitions.
712.13 Who must report.
712.14 Initial submission of forms: What must be reported.
712.15 Customer lists.
712.16 Confidentiality claims.
712.17 Reports by customers.
712.18 Chemical substances.
Appendix I: Form No. 7710–35, Preliminary Assessment Information Report; Instructions.
Appendix II: Substantiating Confidentiality Claims.

Authority: Section 8(a), Toxic Substances Control Act, Pub. L. 94–469 (90 Stat. 2003, 15 U.S.C. 2601 *et. seq.*).

§ 712.11 Scope and compliance.

(a) Under the general recordkeeping and reporting authority of section 8(a) of the Toxic Substances Control Act (TSCA), 15 U.S.C. 2607(a), this rule requires manufacturers of selected chemical substances to report production, use, and exposure information on listed chemical substances. These manufacturers are requested to report information on their own and customers' activities. Customers of the manufacturers of the selected substances may be required to report subsequently. These subsequent reports will be required when the manufacturers' responses are incomplete as to customers' activities.

(b) Subsection 15(3) of TSCA makes it unlawful for any person to fail or refuse to submit information required under this rule. Section 16 provides that a violation of section 15 renders a person liable to the United States for a civil penalty and possible criminal prosecution. Under section 17, the district courts of the United States have jurisdiction to restrain any violation of section 15.

§ 712.12 Definitions.

The definitions in section 3 of TSCA, 15 U.S.C. section 2602, apply for this rule. In addition, the following terms are defined:

(a) "Byproduct" means any chemical substance or mixture produced solely without separate commercial intent during the manufacture, processing, use, or disposal of another chemical substance(s) or mixture.

(b) "EPA" Means the U.S. Environmental Protection Agency.

(c) "Known to or reasonably ascertainable by" means all information in a person's possession or control, plus all information that a reasonable person similarly situated might be expected to possess, control, or know, or could obtain without unreasonable burden.

(d) "Importer" means anyone who imports any chemcial substance, in pure form or as part of a mixture or article, into the customs territory of the U.S. and includes:

(1) The person liable for the payment of any duties on the merchandise, or

(2) Any authorized agent on his behalf (as defined in 19 CFR 1.11). Importer also includes, as appropriate:

(i) The consignee;

(ii) The importer of record;

(iii) The actual owner if an actual owner's declaration and superseding bond has been filed in accordance with 19 CFR 141.20; or

(iv) The transferee, if the right to draw merchandise in a bonded warehouse has been transferred in accordance with Subpart C of 19 CFR 144. For the purpose of this definition the customs territory of the U.S. consists of the 50 states, Puerto Rico, and District of Columbia.

(e) "Import in bulk form" means to import a chemical substance (other than as part of a mixture or article) in any quantity, in cans, bottles, drums, barrels, packages, tanks, bags, or other containers used for purposes of transportation or containment, if the chemical substance is intended to be removed from the container and the substance has an end use or commerical purpose separate from the container.

(f) "Impurity" means a chemical substance unintentionally present with another chemical substance or mixture.

(g) "Intermediate" means any chemical substance which is consumed, in whole or in part, in chemical reaction(s) used for the intentional manufacture of other chemical substances or mixture(s), or is intentionally present for the purpose of altering the rate of such chemical reaction(s).

(h) "Manufacture for commercial purposes" means to import, produce, or manufacture with the purpose of obtaining an immediate or eventual commercial advantage for the manufacturer and include(s), among other things, such "manufacture" of any amount of a chemical substance or mixture,

(1) For commercial distribution, including for test marketing, and

(2) For use by the manufacturer, including use for product research and development, or as an intermediate. Manufacture for commercial purposes also applies to substances that are produced coincidentally during the manufacture, processing, use, or disposal of another substance or mixture, including both byproducts that are separated from that other substance or mixture and impurities that remain in that substance or mixture. Such byproducts and impurities may, or may not, in themselves have commercial value. They are nonetheless produced for the purpose of obtaining a commercial advantage since they are part of the manufacture of a chemical product for a commercial purpose.

(i) "Mixture" means any combination of two or more chemical substances if the combination does not occur in nature and is not, in whole or in part, the result of a chemical reaction; except that "mixture" does include (1) any combination which occurs, in whole or in part, as a result of a chemical reaction if the combination could have been manufactured for commercial purposes without a chemical reaction at the time the chemical substances comprising the combination were combined, and if all of the chemical substances comprising the combination are included in the EPA Chemical Substances Inventory after the effective date of the premanufacture notification requirement under 40 CFR 720, and (2) hydrates of a chemical substance or hydrated ions formed by association of a chemical substance with water. The term mixture includes alloys, inorganic glasses, ceramics, frits, and cements, including Portland cement.

(j) "Non-isolated intermediate" means any intermediate that is not intentionally removed from the equipment in which it is manufactured, including the reaction vessel in which it is manufactured, equipment which is ancillary to the reaction vessel, and any equipment through which the substance passes during a continuous flow process, but not including tanks or other vessels in which the substance is stored after its manufacture.

(k) "Owned or controlled by the parent company" means the parent owns or controls 50% or more of the other company's voting stock.

(l) "Person" means any natural person, firm, company, corporation, joint venture, partnership, sole proprietorship, association, or any other business entity, any State or political subdivision thereof, any municipality, any interstate body, and any department, agency, or instrumentality of the Federal Government.

(m) "Process for commercial purposes" means the preparation of a chemical substance or mixture, after its manufacture, for distribution in commerce with the purpose of obtaining an immediate or eventual commercial advantage for the processor. Processing of any amount of a chemical substance or mixture is included. If a chemical or mixture containing impurities is processed for commercial purposes, then those impurities are also processed for commercial purposes.

(n) "Site" means a contiguous property unit. Property divided only by a public right-of-way shall be considered one site. There may be more than one manufacturing plant on a single site.

(o) "Test marketing" means distributing in commerce a limited amount of a chemical substance or mixture, or article containing such substance or mixture, to a defined number of potential customers, during a predetermined testing period, to explore market capability prior to broader distribution in commerce.

§ 712.13 Who must report.

(a) *Initial submission of forms.* (1) Except as provided in paragraphs (c) and (d) of this section, persons who manufactured for commercial purposes one or more of the chemical substances listed in § 712.18 in the United States during the calendar year(s) specified in § 712.18 are subject to §§ 712.14 and 712.15 of this rule.

(2) Except as provided in paragraphs (c) and (d) of this section, persons who imported the chemical substances listed in § 712.18 in bulk form during the calendar year specified in § 712.18 are subject to §§ 712.14 and 712.15 of this rule.

(b) *Subsequent reports by customers.* Except as provided in paragraph (d) of this section, persons who processed or manufactured chemical substances for commercial purposes during the year(s) specified in § 712.18 are subject to § 712.17.

(c) The following persons are not subject to §§ 712.14 and 712.15:

(1) Persons who manufactured or imported the chemical substance *solely* for purposes of scientific experimentation, analysis or research, including research or analysis for product development.

(2) Persons who imported the chemical substance as:

(i) An impurity or

(ii) A component of an article.

(3) Persons who manufactured the chemical substance as:

(i) A byproduct that was not used or sold or that was formed as described in 40 CFR 710.4(d)(3)–(7);

(ii) A non-isolated intermediate; or

(iii) An impurity.

(4) Persons who imported a mixture containing the substance.

(5) Persons who only processed the chemical substance during the calendar year specified in § 712.18.

(d) Except as provided in paragraph (d)(2) of this section, small manufacturers and processors are not subject to this rule.

(1) To qualify as a small manufacturer or processor a person must meet both of the following criteria:

(i) Total annual sales of all sites owned or controlled by the parent company were less than $30,000,000, based upon the manufacturer's or processor's latest complete fiscal year as of January 1, 1979.

(ii) The annual production (or amount processed) of the chemical substance listed in § 712.18 was less than 100,000 pounds (45,400 kilograms) during the year specified in § 712.18. This criterion applies to any plant site owned or controlled by the parent company.

(2) Small manufacturers and processors will be subject to this rule if the chemical substance they manufacture or process is subject to a rule proposed or promulgated under TSCA sections 4, 5(b)(4), or 6 of TSCA, 15 U.S.C. sections 2603, 2604(b)(4), or 2605, or an order in effect under section 5(e) of TSCA, 15 U.S.C. section 2604(e), or the subject of relief that has been granted under a civil action brough under section 5 or 7 of TSCA, 15 U.S.C. sections 2604 or 2606.

§ 712.14 Initial submission of forms: what must be reported.

(a) Manufacturers and importers described in §712.13(a) must submit a single EPA Form No. 7710–3, with aggregate data for all plant sites owned or controlled by the parent company and their customers. A separate form must be filed for each chemical substance.

(b) Instructions and a facsimile of the form appear in Appendix I to this rule.

(c) EPA Form No. 7710–35, with the information covering the calendar year specified in § 712.18, is to be postmarked to EPA 60 days after the chemical substance the person manufactured or imported during that calendar year is listed in § 712.18.

(d) Forms are to be sent to the Document Control Officer, Office of Pesticides and Toxic Substances (TS–793), Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460.

(e) Generally, persons must report information that is known to or reasonably ascertainable by them for rules under TSCA section 8(a). For purposes of this rule, however, a less burdensome standard shall apply. Companies shall report information that is readily obtainable by management and supervisory employees responsible for manufacturing, processing, distribution, technical services, and marketing. Extensive file searches are not required.

(f) Quantities reported on Form No. 7710–35 must be accurate to within the percent specified in the instructions to the form. If the reporting person cannot report with this accuracy, he should include the quantity in the appropriate "unknown" category.

(g) Records supporting the information submitted to EPA under this rule must be kept for a period of five years after the effective date of the addition of the chemical substance to § 712.18.

§ 712.15 Customer lists.

(a) All manufacturers and importers who are required to report under § 713.13(a) must maintain records of the customers who received the quantities of chemical substances reported on Form No. 7710–35 for a period of two years after the effective date of the addition of the substance to § 712.18. These records must contain the name, address, technical contact, phone number, and the quantity sent for each customer, and report number of the form filed.

(b) In the case of chemical substances listed in § 712.18(a), if the Deputy Assistant Administrator of the Office of Program Integration and Information, Office of Pesiticides and Toxic Substances, determines customer information is needed, he/she will require, by certified letter, a list of customers to be submitted. Submission of customer lists will be required only when significant quantities for customer activities have been reported as unknown in the initial reports under section 712.14, such that the amount of this unknown information makes it impracticable to complete an evaluation of the substance, and when the toxicity of the chemical is either significant or unknown.

(1) The list required under this paragraph shall be submitted within 30 days of receipt of the certified letter. This list must contain each customer's name, address, phone number, technical contact, and quantity sent, for all quantities for which the use and/or process type was reported as unknown. If the customer is a person who only distributes the substance in commerce, this should be noted. The list must also reference the report number of the form filed.

(2) Letter requests shall be sent under this paragraph no later than two years after the effective date of the addition of a chemical substance to § 712.18(a).

(c) In the case of chemical substances listed in § 712.18(b), persons who manufactured or imported the substances must submit a list of all customers, including name, address, technical contact, phone number, and quantity received when they submit Form No. 7710–35 for those substances.

(1) The list required under this paragraph shall be postmarked within 60 days after the chemical substance has been listed in § 712.18(b).

(2) Customer lists must be mailed to Document Control Officer, Office of Pesticides and Toxic Substances (TS–793), Environmental Protection Agency, 401 M Street SW., Washington, D.C. 20460.

§ 712.16 Confidentiality claims.

(a) Any person submitting a document under this rule may assert a business confidentiality claim covering all or part of the submitted material. Any information covered by a claim will be disclosed by EPA only as provided in procedures set forth at 40 CFR Part 2.

(b) Substantiation for a claim made on any item reported on EPA Form No. 7710–35 must be made as specified in Appendix II of this rule.

(c) If no claim accompanies a document at the time it is submitted to EPA, the document will be placed in an open file available to the public without further notice to the respondent.

§ 712.17 Reports by customers.

(a) If a list of customers is obtained under § 712.15, the Deputy Assistant Administrator of the Office of Program Integration and Information, Office of Pesticides and Toxic Substances will contact those customers by certified letter and require them to supply the information for Part B of Form No. 7710–35, with respect to their own activities.

(b) Only persons who process or manufacture the chemical substance for commercial purposes and who are not "small" as defined by § 712.13(d) must report.

(c) The same standards of accuracy as required of manufacturers and importers in § 712.14 (e) and (f) apply to reports by customers.

(d) The information reported may be claimed confidential as provided in § 712.16.

(e) The form must be submitted to EPA within 30 days of receipt of the request under this section.

(f) Records supporting the information submitted to EPA under this section must be kept for five years after the date of submission.

§ 712.18 Chemical substances.

(a) Any chemical substance manufactured in calendar year 1979 that belongs to one of the following categories or that is identified by one of the following discrete Chemical Abstracts Service Registry numbers (CAS numbers) is subject to this rule:

Acrylic acid and 2-methylacrylic acid esters.
Alkyl epoxides—including all noncyclic aliphatic hydrocarbons with one or more epoxy functional groups.
Alkyl phthalates—all alkyl esters of 1,2-benzene dicarboxylic acid (orthophthalic acid).
Aryl phosphates—phosphate esters of phenol or of alkyl-substituted phenols. Tri-aryl and mixed alkyl and aryl esters are included but tri-alkyl esters are excluded.
Chlorinated naphthalenes—chlorinated derivatives of naphthalene (empirical formula $C_{10}H_xCl_y$ where $x + y = 8$).
Glycidol and its derivatives.
Halogenated alkyl epoxides—halogenated noncyclic aliphatic hydrocarbons with one or more epoxy functional groups.
Polychlorinated terphenyls—polychlorinated ortho-, meta-, and para-terphenyls.

CAS No., Chemical Name

50–07–7 Azirino[2',3':3,4]pyrrolo[1,2-a]indole-4,7-dione, 6-amino-8-[[(aminocarbonyl)oxy]methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-, [1aR-(1a.alpha.,8.beta.,8a.alpha.,8b.alpha.)]-
50–21–5 Propanoic acid, 2-hydroxy-
50–29–3 Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro-
50–32–8 Benzo[a]pyrene
51–28–5 Phenol, 2,4-dinitro-
51–79–6 Carbamic acid, ethyl ester
51–82–1 Carbamodithioic acid, dimethyl-, (dimethylamino)methyl ester
52–52–8 Cyclopentanecarboxylic acid, 1-amino-
53–70–3 Dibenz[a,h]anthracene
55–63–0 1,2,3-Propanetriol, trinitrate
55–80–1 Benzenamine, N,N-dimethyl-4-[(3-methylphenyl)azo]-
56–04–2 4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-
56–53–3 Benz[a]anthracene
56–93–9 Benzenemethanaminium, N,N,N-trimethyl-, chloride
57–10–3 Hexadecanoic acid
57–11–4 Octadecanoic acid
57–50–1 .alpha.-D-Glucopyranoside, .beta.-D-fructofuranosyl
57–55–6 1,2-Propanediol
57–56–7 Hydrazinecarboxamide
57–97–6 Benz[a]anthracene, 7,12-dimethyl-
59–50–7 Phenol, 4-cholo-3-methyl-
59–67–6 3-Pyridinecarboxylic acid
60–00–4 Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-
60–09–3 Benzenamine, 4-(phenylazo)-
60–11–7 Benzenamine, N,N-dimethyl-4-(phenylazo)-

CAS No., Chemical Name

60–12–8 Benzeneethanol
60–24–2 Ethanol, 2-mercapto-
60–33–3 9,12-Octadecadienoic acid (Z,Z)-
60–34–4 Hydrazine, methyl-
60–35–5 Acetamide
62–50–0 Methanesulfonic acid, ethyl ester
62–55–5 Ethanethioamide
62–75–9 Methanamine, N-methyl-N-nitroso-
63–25–2 1-Naphthalenol, methylcarbamate
64–02–8 Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, tetrasodium salt
64–67–5 Sulfuric acid, diethyl ester
64–69–7 Acetic acid, iodo-
66–27–3 Methanesulfonic acid, methyl ester
67–21–0 DL-Homocysteine, S-ethyl-
67–48–1 Ethanaminium, 2-hydroxy-N,N,N-trimethyl-, chloride
67–68–5 Methane, sulfinylbis-
68–04–2 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, trisodium salt
68–11–1 Acetic acid, mercapto-
68–12–2 Formamide, N,N-dimethyl-
68–36–0 Benzene, 1,4-bis(trichloromethyl)-
70–25–7 Guanidine, N-methyl-N'-nitro-N-nitroso-
70–55–3 Benzenesulfonamide, 4-methyl-
71–55–6 Ethane, 1,1,1-trichloro-
72–57–1 2,7-Naphthalenedisulfonic acid, 3.3'-[(3,3'-dimethyl[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[5-amino-4-hydroxy-, tetrasodium salt
74–83–9 Methane, bromo-
74–87–3 Methane, chloro-
74–88–4 Methane, iodo-
74–89–5 Methanamine
74–95–3 Methane, dibromo-
74–97–5 Methane, bromochloro-
74–99–7 1-Propyne
75–04–7 Ethanamine
75–05–8 Acetonitrile
75–08–1 Ethanethiol
75–09–2 Methane, dichloro-
75–12–7 Formamide
75–18–3 Methane, thiobis-
75–21–8 Oxirane
75–25–2 Methane, tribromo-
75–26–3 Propane, 2-bromo-
75–29–6 Propane, 2-chloro-
75–34–3 Ethane, 1,1-dichloro-
75–35–4 Ethene, 1,1-dichloro-
75–37–6 Ethane, 1,1-difluoro-
75–38–7 Ethene, 1,1-difluoro-
75–43–4 Methane, dichlorofluoro-
75–46–7 Methane, trifluoro-
75–50–3 Methanamine, N,N-dimethyl-
75–52–5 Methane, nitro-
75–54–7 Silane, dichloromethyl-
75–55–8 Aziridine, 2-methyl-
75–56–9 Oxirane, methyl-
75–60–5 Arsinic acid, dimethyl-
75–61–6 Methane, dibromodifluoro-
75–62–7 Methane, bromotrichloro-
75–64–9 2-Propanamine, 2-methyl-
75–65–0 2-Propanol, 2-methyl-
75–66–1 2-Propanethiol, 2-methyl-
75–75–2 Methanesulfonic acid
75–77–4 Silane, chlorotrimethyl-
75–78–5 Silane, dichlorodimethyl-
75–79–6 Silane, trichloromethyl-
75–83–2 Butane, 2,2-dimethyl-
75–85–4 2-Butanol, 2-methyl-
75–86–5 Propanenitrile, 2-hydroxy-2-methyl-
75–91–2 Hydroperoxide, 1,1-dimethylethyl
75–97–8 2-Butanone, 3,3-dimethyl-
75–98–9 Propanoic acid, 2,2-dimethyl-
75–99–0 Propanoic acid, 2,2-dichloro-

CAS No., Chemical Name

76–01–7 Ethane, pentachloro-
76–08–4 2-Propanol, 1,1,1-tribromo-2-methyl-
76–12–0 Ethane, 1,1,2,2-tetrachloro-1,2-difluoro-
76–39–1 1-Propanol, 2-methyl-2-nitro-
77–47–4 1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-
77–58–7 Stannane, dibutylbis[(1-oxododecyl)oxy]-
77–62–3 Phenol, 2,2'-methylenebis[4-methyl-6-(1-methylcyclohexyl)-
77–71–4 2,4-Imidazolidinedione, 5,5-dimethyl-
77–73–6 4,7-Methano-1H-indene, 3a,4,7,7a-tetrahydro-
77–78–1 Sulfuric acid, dimethyl ester
77–79–2 Thiophene, 2,5-dihydro-, 1,1-dioxide
77–83–8 Oxiranecarboxylic acid, 3-methyl-3-phenyl-, ethyl ester
77–85–0 1,3-Propanediol, 2-(hydroxymethyl)-2-methyl-
77–86–1 1,3-Propanediol, 2-amino-2-(hydroxymethyl)-
77–90–7 1,2,3-Propanetricarboxylic acid, 2-(acetyloxy)-, tributyl ester
77–99–6 1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-
78–10–4 Silicic acid, tetraethyl ester
78–11–5 1,3-Propanediol, 2,2-bis[(nitrooxy)methyl]-, dinitrate (ester)
78–30–8 Phosphoric acid, tris(2-methylphenyl) ester
78–32–0 Phosphoric acid, tris(4-methylphenyl) ester
78–33–1 Phenol, 4-(1,1-dimethylethyl)-, phosphate (3:1)
78–40–0 Phosphoric acid, triethyl ester
78–42–2 Phosphoric acid, tris(2-ethylhexyl) ester
78–48–8 Phosphorotrithioic acid, S,S,S-tributyl ester
78–51–3 Ethanol, 2-butoxy-, phosphate (3:1)
78–59–1 2-Cyclohexen-1-one, 3,5,5-trimethyl-
78–67–1 Propanenitrile, 2,2'-azobis[2-methyl-
78–82–0 Propanenitrile, 2-methyl-
78–84–2 Propanal, 2-methyl-
78–87–5 Propane, 1,2-dichloro-
78–88–6 1-Propene, 2,3-dichloro-
78–89–7 1-Propanol, 2-chloro-
78–93–3 2-Butanone
78–95–5 2-Propanone, 1-chloro-
78–96–6 2-Propanol, 1-amino-
78–97–7 Propanenitrile, 2-hydroxy-
79–00–5 Ethane, 1,1,2-trichloro-
79–02–7 Acetaldehyde, dichloro-
79–06–1 2-Propenamide
79–14–1 Acetic acid, hydroxy-
79–22–1 Carbonochloridic acid, methyl ester
79–24–3 Ethane, nitro-
79–27–6 Ethane, 1,1,2,2-tetrabromo-
79–29–8 Butane, 2,3-dimethyl-
79–31–2 Propanoic acid, 2-methyl-
79–36–7 Acetyl chloride, dichloro-
79–40–3 Ethanedithioamide
79–44–7 Carbamic chloride, dimethyl-
79–46–9 Propane, 2-nitro-
79–74–3 1,4-Benzenediol, 2,5-bis(1,1-dimethylpropyl)-
79–92–5 Bicyclo[2.2.1]heptane, 2,2-dimethyl-3-methylene-
79–94–7 Phenol, 4,4'-(1-methylethylidene)bis[2,6-dibromo-
80–05–7 Phenol, 4,4'-(1-methylethylidene)bis-
80–07–9 Benzene, 1,1'-sulfonylbis[4-chloro-
80–10–4 Silane, dichlorodiphenyl-

CAS No., Chemical Name

80–11–5 Benzenesulfonamide, N,4-dimethyl-N-nitroso-
80–15–9 Hydroperoxide, 1-methyl-1-phenylethyl
80–40–0 Benzenesulfonic acid, 4-methyl-, ethyl ester
80–43–3 Peroxide, bis(1-methyl-1-phenylethyl)
80–46–6 Phenol, 4-(1,1-dimethylpropyl)-
80–48–8 Benzenesulfonic acid, 4-methyl-, methyl ester
80–51–3 Benzenesulfonic acid, 4,4'-oxybis-, dihydrazide
80–56–8 Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl-
80–62–6 2-Propenoic acid, 2-methyl-, methyl ester
80–63–7 2-Propenoic acid, 2-chloro-, methyl ester
81–11–8 Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-amino-
81–16–3 1-Naphthalenesulfonic acid, 2-amino-
81–21–0 2,4-Methano-2H-indeno[1,2-b:5,6-b']bisoxirene, octahydro-
81–49–2 9,10-Anthracenedione, 1-amino-2,4-dibromo-
81–64–1 9,10-Anthracenedione, 1,4-dihydroxy-
81–77–6 5,9,14,18-Anthrazinetetrone, 6,15-dihydro-
81–81–2 2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutyl)-
81–88–9 Ethanaminium, N-[9-(2-carboxyphenyl)-6-(diethylamino)-3H-xanthen-3-ylidene]-N-ethyl-, chloride
82–05–3 7H-Benz[de]anthracen-7-one
82–28–0 9,10-Anthracenedione, 1-amino-2-methyl-
82–68–8 Benzene, pentachloronitro-
83–26–1 1H-Indene-1,3(2H)-dione, 2-(2,2-dimethyl-1-oxopropyl)-
84–15–1 1,1':2',1''-Terphenyl
84–61–2 1,2-Benzenedicarboxylic acid, dicyclohexyl ester
84–61–7 1,2-Benzenedicarboxylic acid, dicyclohexyl ester
86–66–2 1,2-Benzenedicarboxylic acid, diethyl ester
84–69–5 1,2-Benzenedicarboxylic acid, bis(2-methylpropyl) ester
84–74–2 1,2-Benzenedicarboxylic acid, dibutyl ester
84–77–5 1,2-Benzenedicarboxylic acid, didecyl ester
85–01–8 Phenanthrene
85–40–5 1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-
85–43–8 1,3-Isobenzofurandione, 3a,4,7,7a-tetrahydro-
85–52–9 Benzoic acid, 2-benzoyl-
85–60–9 Phenol, 4,4'-butylidenebis[2-(1,1-dimethylethyl)-5-methyl-
85–68–7 1,2-Benzenedicarboxylic acid, butyl phenylmethyl ester
85–69–8 1,2-Benzenedicarboxylic acid, butyl 2-ethylhexyl ester
85–70–1 1,2-Benzenedicarboxylic acid, 2-butoxy-2-oxoethyl butyl ester
85–84–7 2-Naphthalenamine, 1-(phenylazo)-
86–30–6 Benzenamine, N-nitroso-N-phenyl-
86–57–7 Naphthalene, 1-nitro-
86–73–7 9H-Fluorene
86–87–3 1-Naphthaleneacetic acid
87–60–5 Benzenamine, 3-chloro-2-methyl-
87–61–6 Benzene, 1,2,3-trichloro-

CAS No., Chemical Name

87-68-3 1,3-Butadiene, 1,1,2,3,4,4-hexachloro-
87-82-1 Benzene, hexabromo-
87-83-2 Benzene, pentabromomethyl-
87-84-3 Cyclohexane, 1,2,3,4,5-pentabromo-6-chloro-
88-10-8 Carbamic chloride, diethyl-
88-18-6 Phenol, 2-(1,1-dimethylethyl)-
88-19-7 Benzenesulfonamide, 2-methyl-
88-24-4 Phenol, 2,2'-methylenebis[6-(1,1-dimethylethyl)-4-ethyl-
88-51-7 Benzenesulfonic acid, 2-amino-4-chloro-5-methyl-,
88-53-9 Benzenesulfonic acid, 2-amino-5-chloro-4-methyl-
88-60-8 Phenol, 2-(1,1-dimethylethyl)-5-methyl-
88-68-6 Benzamide, 2-amino-
88-72-2 Benzene, 1-methyl-2-nitro-
88-73-3 Benzene, 1-chloro-2-nitro-
88-74-4 Benzenamine, 2-nitro-
88-85-7 Phenol, 2-(1-methylpropyl)-4,6-dinitro-
88-88-0 Benzene, 2-chloro-1,3,5-trinitro-
88-99-3 1,2-Benzenedicarboxylic acid
89-04-3 1,2,4-Benzenetricarboxylic acid, trioctyl ester
89-08-7 1,2-Benzenedicarboxylic acid, 4-sulfo-
89-25-8 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-2-phenyl-
89-28-1 Quinoline, 6-dodecyl-1,2-dihydro-2,2,4-trimethyl-
89-63-4 Benzenamine, 4-chloro-2-nitro-
89-72-5 Phenol, 2-(1-methylpropyl)-
90-00-6 Phenol, 2-ethyl-
90-02-8 Benzaldehyde, 2-hydroxy-
90-04-0 Benzenamine, 2-methoxy-
90-05-1 Phenol, 2-methoxy-
90-12-0 Naphthalene, 1-methyl-
90-13-1 Naphthalene, 1-chloro-
90-15-3 1-Naphthalenol
90-16-4 1,2,3-Benzotriazin-4(1H)-one
90-41-5 [1,1'-Biphenyl]-2-amine
90-42-6 [1,1'-Bicyclohexyl]-2-one
90-43-7 [1,1'-Biphenyl]-2-ol
90-94-8 Methanone, bis[4-(dimethylamino)phenyl]-
91-08-7 Benzene, 1,3-diisocyanato-2-methyl-
91-15-6 1,2-Benzenedicarbonitrile
91-53-2 Quinoline, 6-ethoxy-1,2-dihydro-2,2,4-trimethyl-
91-57-6 Naphthalene, 2-methyl-
91-59-8 2-Naphthalenamine
91-64-5 2H-1-Benzopyran-2-one
91-66-7 Benzenamine, N,N-diethyl-
91-76-9 1,3,5-Triazine-2,4-diamine, 6-phenyl-
92-06-8 1,1':3',1''-Terphenyl
92-49-9 Benzenamine, N-(2-chloroethyl)-N-ethyl-
92-52-4 1,1'-Biphenyl
92-69-3 [1,1'-Biphenyl]-4-ol
92-70-6 2-Naphthalenecarboxylic acid, 3-hydroxy-
92-84-2 10H-Phenothiazine
92-94-4 1,1':4',1''-Terphenyl
93-05-0 1,4-Benzenediamine, N,N-diethyl-
93-13-0 Methanesulfonic acid, [(2-methoxyphenyl)amino]-
93-14-1 1,2-Propanediol, 3-(2-methoxyphenoxy)-
93-58-3 Benzoic acid, methyl ester
93-71-0 Acetamide, 2-chloro-N,N-di-2-propenyl-
94-36-0 Peroxide, dibenzoyl

CAS No., Chemical Name

94-52-0 1H-Benzimidazole, 5-nitro-
94-58-6 1,3-Benzodioxole, 5-propyl-
94-60-0 1,4-Cyclohexanedicarboxylic acid, dimethyl ester
95-08-9 Butanoic acid, 2-ethyl-, 1,2-ethanediylbis(oxy-2,1-ethanediyl) ester
95-13-6 1H-Indene
95-14-7 1H-Benzotriazole
95-29-4 2-Benzothiazolesulfenamide, N,N-bis(1-methylethyl)-
95-31-8 2-Benzothiazolesulfenamide, N-(1,1-dimethylethyl)-
95-32-9 Benzothiazole, 2-(4-morpholinyldithio)-
95-39-6 2-Propenoic acid, bicyclo[2.2.1]hept-5-en-2-ylmethyl ester
95-47-6 Benzene, 1,2-dimethyl-
95-48-7 Phenol, 2-methyl-
95-49-8 Benzene, 1-chloro-2-methyl-
95-50-1 Benzene, 1,2-dichloro-
95-51-2 Benzenamine, 2-chloro-
95-53-4 Benzenamine, 2-methyl-
95-54-5 1,2-Benzenediamine
95-55-6 Phenol, 2-amino-
95-59-0 1,4-Dioxane, 2,3-dichloro-
95-63-6 Benzene, 1,2,4-trimethyl-
95-65-8 Phenol, 3,4-dimethyl-
95-69-2 Benzenamine, 4-chloro-2-methyl-
95-74-9 Benzenamine, 3-chloro-4-methyl-
95-76-1 Benzenamine, 3,4-dichloro-
95-79-4 Benzenamine, 5-chloro-2-methyl-
95-82-9 Benzenamine, 2,5-dichloro-
95-87-4 Phenol, 2,5-dimethyl-
95-94-3 Benzene, 1,2,4,5-tetrachloro-
96-05-9 2-Propenoic acid, 2-methyl-, 2-propenyl ester
96-08-2 7-Oxabicyclo[4.1.0]heptane, 1-methyl-4-(2-methyloxiranyl)-
96-09-3 Oxiraner, phenyl-
96-10-6 Aluminum, chlorodiethyl-
96-12-8 Propane, 1,2-dibromo-3-chloro-
96-13-9 1-Propanol, 2,3-dibromo-
96-14-0 Pentane, 3-methyl-
96-18-4 Propane, 1,2,3-trichloro-
96-19-5 1-Propene, 1,2,3-trichloro-
96-22-0 3-Pentanone
96-23-1 2-Propanol, 1,3-dichloro-
96-24-2 1,2-Propanediol, 3-chloro-
96-29-7 2-Butanone, oxime
96-33-3 2-Propenoic acid, methyl ester
96-34-4 Acetic acid, chloro-, methyl ester
96-45-7 2-Imidazolidinethione
96-69-5 Phenol, 4,4'-thiobis[2-(1,1-dimethylethyl)-5-methyl-
96-70-8 Phenol, 2-(1,1-dimethylethyl)-4-ethyl-
97-00-7 Benzene, 1-chloro-2,4-dinitro-
97-02-9 Benzenamine, 2,4-dinitro-
97-39-2 Guanidine, N,N'-bis (2-methylphenyl)-
97-56-3 Benzenamine, 2-methyl-4-[(2-methylphenyl)azo]-
97-63-2 2-Propenoic acid, 2-methyl-, ethyl ester
97-65-4 Butanedioic acid, methylene-
97-72-3 Propanoic acid, 2-methyl-, anhydride
97-74-5 Thiodicarbonic diamide, tetramethyl-
97-80-3 Ethanesulfonic acid, 2-[methyl (1-oxo-9-octadecenyl) amino]-, (Z)-
97-85-8 Propanoic acid, 2-methyl-, 2-methylpropyl ester
97-86-9 2-Propenoic acid, 2-methyl-, 2-methylpropyl ester
97-88-1 2-Propenoic acid, 2-methyl-, butyl ester

CAS No., Chemical Name

97-90-5 2-Propenoic acid, 2-methyl-, 1,2-ethanediyl ester
97-99-4 2-Furanmethanol, tetrahydro-
98-06-6 Benzene, (1,1-dimethylethyl)-
98-07-7 Benzene, (trichloromethyl)-
98-11-3 Benzenesulfonic acid
98-13-5 Silane, trichlorophenyl-
98-51-1 Benzene, 1-(1,1,-dimethylethyl)-4-methyl-
98-55-5 3-Cyclohexene-1-methanol, .alpha.,.alpha., 4-trimethyl-
98-59-9 Benzenesulfonyl chloride, 4-methyl-
98-60-2 Benzenesulfonyl chloride, 4-chloride, 4-chloro-
98-67-9 Benzenesulfonic acid, 4-hydroxy-
98-69-1 Benzenesulfonic acid, 4-ethyl-
98-73-7 Benzoic acid, 4-(1,1-dimethylethyl)-
98-83-9 Benzene, (1-methylethenyl)-
98-85-1 Benzenemethanol, .alpha.-methyl-
98-87-3 Benezene, (dichloromethyl)-
98-88-4 Benzoyl chloride
98-92-0 3-Pyridinecarboxamide
98-94-2 Cyclohexanamine, N,N-dimethyl-
98-95-3 Benzene, nitro-
99-08-1 Benzene, 1-methyl-3-nitro-
99-09-2 Benzenamine, 3-nitro-
99-30-9 Benzenamine, 2,6-dichloro-4-nitro-
99-51-4 Benzene, 1,2-dimethyl-4-nitro-
99-54-7 Benzene, 1,2-dichloro-4-nitro-
99-55-8 Benezenamine, 2-methyl-5-nitro-
99-56-9 1,2-Benzenediamine, 4-nitro-
99-59-2 Benzenamine, 2-methoxy-5-nitro-
99-62-7 Benzene, 1,3-bis(1-methylethyl)-
99-63-8 1,3-Benzenedicarbonyl dichloride
99-65-0 Benzene, 1,3-dinitro-
99-75-2 Benzoic acid, 4-methyl-, methyl ester
99-82-1 Cyclohexane, 1-methyl-4-(1-methylethyl)-
99-87-6 Benzene, 1-methyl-4-(1-methylethyl)-
99-98-9 1,4-Benzenediamine, N,N-dimethyl-
99-99-0 Benzene, 1-methyl-4-nitro-
100-00-5 Benzene, 1-chloro-4-nitro-
100-01-6 Benzenamine, 4-nitro-
100-02-7 Phenol, 4-nitro-
100-18-5 Benzene, 1,4-bis (1-methylethyl)-
100-20-9 1,4-Benzenedicarbonyl dichloride
100-29-8 Benzene, 1-ethoxy-4-nitro-
100-37-8 Ethanol, 2-(diethylamino)-
100-39-0 Benzene, (bromomethyl)-
100-40-3 Cyclohexene, 4-ethenyl-
100-41-4 Benzene, ethyl-
100-42-5 Benzene, ethenyl-
100-44-7 Benzene, (chloromethyl)-
100-47-0 Benzonitrile
100-50-5 3-Cyclohexene-1-carboxaldehyde
100-52-7 Benzaldehyde
100-54-9 3-Pyridinecarbonitrile
100-59-4 Magnesium, chlorophenyl-
100-61-8 Benzenamine, N-methyl-
100-63-0 Hydrazine, phenyl-
100-64-1 Cyclohexanone, oxime
100-65-2 Benzenamine, N-hydroxy-
100-66-3 Benzene, methoxy-
100-69-6 Pyridine, 2-ethenyl-
100-70-9 2-Pyridinecarbonitrile
100-74-3 Morpholine, 4-ethyl-
100-75-4 Piperidine, 1-nitroso-
100-87-8 Benzenemethanesulfonic acid
100-97-0 1,3,5,7-Tetraazatricylo[3.3.1.13,7]decane
100-99-2 Aluminum, tris (2-methylpropyl)-
101-02-0 Phosphorous acid, triphenyl ester
101-14-4 Benzenamine, 4,4'-methylenebis[2-chloro-

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101–20–2 Urea, N-(4chlorophenyl)-N'-(3,4-dichlorophenyl)-
101–43–9 2-Propenoic acid, 2-methyl-, cyclohexyl ester
101–54–2 1,4-Benzenediamine, N-phenyl-
101–61–1 Benzenamine, 4,4'-methylenebis[N,N-dimethyl-
101–67–7 Benzenamine, 4-octyl-N-(4-octylphenyl)-
101–68–8 Benzene, 1,1'-methylenebis[4-isocyanato-
101–72–4 1,4-Benzenediamine, N-(1-methylethyl)-N'-phenyl-
101–73–5 Benzenamine, 4-(1-methylethoxy)-N-phenyl-
101–77–9 Benzenamine, 4,4'-methylenebis-
101–80–4 Benzenamine, 4,4'-oxybis-
101–83–7 Cyclohexanamine, N-cyclohexyl-
101–96–6 Oxirane, 2,2'-[1,3-phenylenebis (oxymethylene)]bis-
101–96–2 1,4-Benzenediamine, N,N'-bis(1-methylpropyl)-
101–99–5 Carbamic acid, phenyl-, ethyl ester
102–01–2 Butanamide, 3-oxo-N-phenyl-
102–06–7 Guanidine, N,N'-diphenyl-
102–08–9 Thiourea, N,N'-diphenyl-
102–09–0 Carbonic acid, diphenyl ester
102–27–2 Benzenamine, N-ethyl-3-methyl-
102–36–3 Benzene, 1,2-dichloro-4-isocyanato-
102–60–3 2-Propanol, 1,1',1'',1'''-(1,2-ethanediyldinitrilo) tetrakis-
102–70–5 2-Propen-1-amine, N,N-di-2-propenyl-
102–71–6 Ethanol, 2,2',2''-nitrilotris-
102–76–1 1,2,3-Propanetriol, triacetate
102–77–2 Morpholine, 4-(2-benzothiazolylthio)-
103–11–7 2-Propenoic acid, 2-ethylhexyl ester
103–18–4 Phenol, 4-[(4-aminophenyl)azo]-
103–23–1 Hexanedioic acid, bis(2-ethylhexyl) ester
103–24–2 Nonanedioic acid, bis(2-ethylhexyl)ester
103–33–3 Diazene, diphenyl-
103–34–4 Morpholine, 4,4'-dithiobis-
103–63–9 Benzene, (2-bromoethyl)-
103–65–1 Benzene, propyl-
103–69–5 Benzenamine, N-ethyl-
103–70–8 Formamide, N-phenyl-
103–71–9 Benzene, isocyanato-
103–74–2 2-Pyridineethanol
103–75–3 2H-Pyran, 2-ethoxy-3,4-dihydro-
103–85–5 Thiourea, phenyl-
103–90–2 Acetamide, N-(4-hydroxyphenyl)-
103–96–8 1,4-Benzenediamine, N,N'-bis(1-methylheptyl)-
104–12–1 Benzene, 1-chloro-4-isocyanato-
104–15–4 Benzenesulfonic acid, 4-methyl-
104–40–5 Phenol, 4-nonyl-
104–61–0 2(3H)-Furanone, dihydro-5-pentyl-
104–72–3 Benzene, decyl-
104–87–0 Benzaldehyde, 4-methyl-
104–90–5 Pyridine, 5-ethyl-2-methyl-
104–91–6 Phenol, 4-nitroso-
104–93–8 Benzene, 1-methoxy-4-methyl-
104–94–9 Benzenamine, 4-methoxy-
105–05–5 Benzene, 1,4-diethyl-
105–08–8 1,4-Cyclohexanedimethanol
105–11–3 2,5-Cyclohexadiene-1,4-dione, dioxime
105–16–8 2-Propenoic acid, 2-methyl-, 2-(diethylamino)ethyl ester
105–36–2 Acetic acid, bromo-, ethyl ester
105–37–3 Propanoic acid, ethyl ester

CAS No., Chemical Name

105–40–8 Carbamic acid, methyl-, ethyl ester
105–45–3 Butanoic acid, 3-oxo-, methyl ester
105–46–4 Acetic acid, 1-methylpropyl ester
105–58–8 Carbonic acid, diethyl ester
105–67–9 Phenol, 2,4-dimethyl-
105–74–8 Peroxide, bis(1-oxododecyl)
106–14–9 Octadecanoic acid, 12-hydroxy-
106–24–1 2,6-Octadien-1-ol, 3,7-dimethyl-, (E)-
106–31–0 Butanoic acid, anhydride
106–35–4 3-Heptanone
106–40–1 Benzenamine, 4-bromo-
106–42–3 Benzene, 1,4-dimethyl-
106–43–4 Benzene, 1-chloro-4-methyl-
106–44–5 Phenol, 4-methyl-
106–46–7 Benzene, 1,4-dichloro-
106–47–8 Benzenamine, 4-chloro-
106–49–0 Benzenamine, 4-methyl-
106–50–3 1,4-Benzenediamine
106–51–4 2,5-Cyclohexadiene-1,4-dione
106–63–8 2-Propenoic acid, 2-methylpropyl ester
106–65–0 Butanedioic acid, dimethyl ester
106–68–3 3-Octanone
106–71–8 2-Propenoic acid, 2-cyanoethyl ester
106–74–1 2-Propenoic acid, 2-ethoxyethyl ester
106–75–2 Carbonochloridic acid, oxydi-2,1-ethanediyl ester
106–83–2 Oxiraneoctanoic acid, 3-octyl-, butyl ester
106–84–3 Oxiraneoctanoic acid, 3-octyl-, octyl ester
106–87–6 7-Oxabicyclo[4.1.0]heptane, 3-oxiranyl-
106–88–7 Oxirane, ethyl-
106–89–8 Oxirane, (chloromethyl)-
106–90–1 2-Propenoic acid, oxiranylmethyl ester
106–91–2 2-Propenoic acid, 2-methyl-, oxiranylmethyl ester
106–92–3 Oxirane, [(2-propenyloxy)methyl]-
106–98–9 1-Butene
106–99–0 1,3-Butadiene
107–01–7 2-Butene
107–03–9 1-Propanethiol
107–05–1 1-Propene, 3-chloro-
107–07–3 Ethanol, 2-chloro-
107–10–8 1-Propanamine
107–11–9 2-Propen-1-amine
107–12–0 Propanenitrile
107–16–4 Acetonitrile, hydroxy-
107–20–0 Acetaldehyde, chloro-
107–22–2 Ethanedial
107–25–5 Ethene, methoxy-
107–29–9 Acetaldehyde, oxime
107–30–2 Methane, chloromethoxy-
107–31–3 Formic acid, methyl ester
107–39–1 1-Pentene, 2,4,4-trimethyl-
107–40–4 2-Pentene, 2,4,4-trimethyl-
107–41–5 2,4-Pentanediol, 2-methyl-
107–46–0 Disiloxane, hexamethyl-
107–56–2 Phosphorodithioic acid, 0,0-bis(1-methylethyl) ester
107–64–2 1-Octadecanaminium, N,N-dimethyl-N-octadecyl-, chloride
107–70–0 2-Pentanone, 4-methoxy-4-methyl-
107–83–5 Pentane, 2-methyl-
107–87–9 2-Pentanone
107–88–0 1,3-Butanediol
107–89–1 Butanal, 3-hydroxy-
107–96–0 Propanoic acid, 3-mercapto-
107–98–2 2-Propanol, 1-methoxy-
108–01–0 Ethanol, 2-(dimethylamino)-
108–03–2 Propane, 1-nitro-

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108–10–1 2-Pentanone, 4-methyl-
108–19–0 Imidodicarbonic diamide
108–20–3 Propane, 2,2'-oxybis
108–22–5 1-Propen-2-ol, acetate
108–23–6 Carbonochloridic acid, 1-methylethyl ester
108–24–7 Acetic acid, anhydride
108–31–6 2,5-Furandione
108–38–3 Benzene, 1,3-dimethyl-
108–39–4 Phenol, 3-methyl-
108–42–9 Benzenamine, 3-chloro-
108–44–1 Benzenamine, 3-methyl-
108–45–2 1,3-Bezenediamine
108–60–1 Propane, 2,2'-oxybis[1-chloro-
108–67–8 Benzene, 1,3,5-trimethyl-
108–68–9 Phenol, 3,5-dimethyl-
108–70–3 Benzene, 1,3,5-trichloro-
108–77–0 1,3,5-Triazine, 2,4,6-trichloro-
108–80–5 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione
108–83–8 4-Heptanone, 2,6-dimethyl-
108–86–1 Benzene, bromo-
108–87–2 Cyclohexane, methyl-
108–88–3 Benzene, methyl-
108–89–4 Pyridine, 4-methyl-
108–90–7 Benzene, chloro-
108–94–1 Cyclohexanone
108–98–5 Benzenethiol
108–99–6 Pyridine, 3-methyl-
109–06–8 Pyridine, 2-methyl-
109–16–0 2-Propenoic acid, 2-methyl-, 1,2-ethanediylbis(oxy-2,1-ethanediyl) ester
109–31–9 Nonanedioic acid, dihexyl ester
109–52–4 Pentanoic acid
109–55–7 1,3-Propanediamine, N,N-dimethyl-
109–59–1 Ethanol, 2-(1-methylethoxy)-
109–60–4 Acetic acid, propyl ester
109–61–5 Carbonochloridic acid, propyl ester
109–63–7 Borane, trifluoro-, compd. with 1,1'-oxybis[ethane] (1:1)
109–66–0 Pentane
109–69–3 Butane, 1-chloro-
109–70–6 Propane, 1-bromo-3-chloro-
109–73–9 1-Butanamine
109–74–0 Butanenitrile
109–78–4 Propanenitrile, 3-hydroxy-
109–79–5 1-Butanethiol
109–83–1 Ethanol, 2-(methylamino)-
109–86–4 Ethanol, 2-methoxy-
109–87–5 Methane, dimethoxy-
109–89–7 Ethanamine, N-ethyl-
109–94–4 Formic acid, ethyl ester
109–99–9 Furan, tetrahydro-
110–00–9 Furan
110–03–2 2,5-Hexanediol, 2,5-dimethyl-
110–05–4 Peroxide, bis(1,1-dimethylethyl)
110–12–3 2-Hexanone, 5-methyl-
110–16–7 2-Butenedioic acid (Z)-
110–18–9 1,2-Ethanediamine, N,N,N',N'-tetramethyl-
110–21–4 1,2-Hydrazinedicarboxamide
110–22–5 Peroxide, diacetyl
110–27–0 Tetradecanoic acid, 1-methylethyl ester
110–29–2 Hexanedioic acid, decyl octyl ester
110–30–5 Octadecanamide, N,N'-1,2-ethanediylbis-
110–42–9 Decanoic acid, methyl ester
110–43–0 2-Heptanone
110–49–6 Ethanol, 2-methoxy-, acetate
110–54–3 Hexane
110–57–6 2-Butene, 1,4-dichloro-, (E)-
110–62–3 Pentanal

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110-63-4 1,4-Butanediol
110-64-5 2-Butene-1,4-diol
110-65-6 2-Butyne-1,4-diol
110-71-4 Ethane, 1,2-dimethoxy-
110-75-8 Ethene, (2-chloroethoxy)-
110-77-0 Ethanol, 2-(ethylthio)-
110-80-5 Ethanol, 2-ethoxy-
110-83-8 Cyclohexene
110-85-0 Piperazine
110-86-1 Pyridine
110-88-3 1,3,5-Trioxane
110-91-8 Morpholine
110-94-1 Pentanedioic acid
110-96-3 1-Propanamine, 2-methyl-N-(2-methylpropyl)-
110-97-4 2-Propanol, 1,1'-iminobis-
111-11-5 Octanoic acid, methyl ester
111-13-7 2-Octanone
111-14-8 Heptanoic acid
111-15-9 Ethanol, 2-ethoxy-, acetate
111-17-1 Propanoic acid, 3,3'-thiobis-
111-21-7 Ethanol, 2,2'-[1,2-ethanediylbis(oxy)]bis-, diacetate
111-36-4 Butane, 1-isocyanato-
111-40-0 1,2-Ethanediamine, N-(2-aminoethyl)-
111-41-1 Ethanol, 2-[(2-aminoethyl)amino]-
111-42-2 Ethanol, 2,2'-iminobis-
111-44-4 Ethane, 1,1'-oxybis[2-chloro-
111-49-9 1H-Azepine, hexahydro-
111-55-7 1,2-Ethanediol, diacetate
111-65-9 Octane
111-66-0 1-Octene
111-69-3 Hexanedinitrile
111-76-2 Ethanol, 2-butoxy-
111-77-3 Ethanol, 2-(2-methoxyethoxy)-
111-78-4 1,5-Cyclooctadiene
111-82-0 Dodecanoic acid, methyl ester
111-85-3 Octane, 1-chloro-
111-87-5 1-Octanol
111-88-6 1-Octanethiol
111-90-0 Ethanol, 2-(2-ethoxyethoxy)-
111-91-1 Ethane, 1,1'-[methylenebis(oxy)]bis[2-chloro-
111-92-2 1-Butanamine, N-butyl-
111-94-4 Propanenitrile, 3,3'-iminobis-
112-02-7 1-Hexadecanaminium, N,N,N-trimethyl-, chloride
112-05-0 Nonanoic acid
112-07-2 Ethanol, 2-butoxy-, acetate
112-15-2 Ethanol, 2-(2-ethoxyethoxy)-, acetate
112-16-3 Dodecanoyl chloride
112-18-5 1-Dodecanamine, N,N-dimethyl-
112-25-4 Ethanol, 2-(hexyloxy)-
112-26-5 Ethane, 1,2-bis(2-chloroethoxy)-
112-30-1 1-Decanol
112-31-2 Decanal
112-34-5 Ethanol, 2-(2-butoxyethoxy)-
112-35-6 Ethanol, 2-[2-(2-methoxyethoxy)ethoxy]-
112-39-0 Hexadecanoic acid, methyl ester
112-40-3 Dodecane
112-41-4 1-Dodecene
112-50-5 Ethanol, 2-[2-(2-ethoxyethoxy)ethoxy]-
112-53-8 1-Dodecanol
112-55-0 1-Dodecanethiol
112-59-4 Ethanol, 2-[2-(hexyloxy)ethoxy]-
112-60-7 Ethanol, 2,2'-[oxybis(2,1-ethanediyloxy)]bis-
112-61-8 Octadecanoic acid, methyl ester
112-62-9 9-Octadecenoic acid (Z)-, methyl ester
112-67-4 Hexadecanoyl chloride
112-70-9 1-Tridecanol

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112-72-1 1-Tetradecanol
112-75-4 1-Tetradecanamine, N,N-dimethyl-
112-76-5 Octadecanoyl chloride
112-84-5 13-Docosenamide, (Z)-
112-85-6 Docosanoic acid
112-86-7 13-Docosenoic acid, (Z)-
112-88-9 1-Octadecene
112-90-3 9-Octadecen-1-amine, (Z)-
112-91-4 9-Octadecenenitrile, (Z)-
112-92-5 1-Octadecanol
114-49-8 Benzeneacetic acid, .alpha.-(hydroxymethyl)-, 9-methyl-3-oxa-9-azatricyclo[3.3.1.02,4]non-7-yl ester, hydrobromide, [7(S)-(1.alpha.,2.beta.,4.beta.,5.alpha.,7.beta.)]-
114-70-5 Benzeneacetic acid, sodium salt
115-11-7 1-Propene, 2-methyl-
115-27-5 4,7-Methanoisobenzofuran-1,3-dione, 4,5,6,7,8,8-hexachloro-3a,4,7,7a-tetrahydro-
115-28-6 Bicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic acid, 1,4,5,6,7,7-hexachloro-
115-86-6 Phosphoric acid, triphenyl ester
115-96-8 Ethanol, 2-chloro-, phosphate (3:1)
116-06-3 Propanal, 2-methyl-2-(methylthio)-, O-[(methylamino)carbonyl]oxime
116-15-4 1-Propene, 1,1,2,3,3,3-hexafluoro-
116-37-0 2-Propanol, 1,1'-[(1-methylethylidene)bis(4,1-phenyleneoxy)]bis-
117-08-8 1,3-Isobenzofurandione, 4,5,6,7-tetrachloro-
117-80-6 1,4-Naphthalenedione, 2,3-dichloro-
117-81-7 1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester
117-82-8 1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl) ester
117-83-9 1,2-Benzenedicarboxylic acid, bis(2-butoxyethyl) ester
117-84-0 1,2-Benzenedicarboxylic acid, dioctyl ester
118-48-9 2H-3,1-Benzoxazine-2,4(1H)-dione
118-52-5 2,4-Imidazolidinedione, 1,3-dichloro-5,5-dimethyl-
118-74-1 Benzene, hexachloro-
118-75-2 2,5-Cyclohexadiene-1,4-dione, 2,3,5,6-tetrachloro-
118-79-6 Phenol, 2,4,6-tribromo-
118-82-1 Phenol, 4,4'-methylenebis[2,6-bis(1,1-dimethylethyl)-
118-92-3 Benzoic acid, 2-amino-
118-96-7 Benzene, 2-methyl-1,3,5-trinitro-
119-06-2 1,2-Benzenedicarboxylic acid, ditridecyl ester
119-07-3 1,2-Benzenedicarboxylic acid, decyl octyl ester
119-34-6 Phenol, 4-amino-2-nitro-
119-47-1 Phenol, 2,2'-methylenebis[6-(1,1-dimethylethyl)-4-methyl-
119-90-4 [1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethoxy-
120-12-7 Anthracene
120-40-1 Dodecanamide, N,N-bis(2-hydroxyethyl)-
120-55-8 Ethanol, 2,2'-oxybis-, dibenzoate
120-58-1 1,3-Benzodioxole, 5-(1-propenyl)-
120-71-8 Benzenamine, 2-methoxy-5-methyl-
120-80-9 1,2-Benzenediol
120-82-1 Benzene, 1,2,4-trichloro-
120-83-2 Phenol, 2,4-dichloro-
120-93-4 2-Imidazolidinone
120-95-6 Phenol, 2,4-bis(1,1-dimethylpropyl)-
121-03-9 Benzenesulfonic acid, 2-methyl-5-nitro-

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121-14-2 Benzene, 1-methyl-2,4-dinitro-
121-17-5 Benzene, 1-chloro-2-nitro-4-(trifluoromethyl)-
121-39-1 Oxiranecarboxylic acid, 3-phenyl-, ethyl ester
121-43-7 Boric acid, trimethyl ester
121-44-8 Ethanamine, N,N-diethyl-
121-45-9 Phosphorous acid, trimethyl ester
121-57-3 Benzenesulfonic acid, 4-amino-
121-60-8 Benzenesulfonyl chloride, 4-(acetylamino)-
121-63-1 Benzenesulfonyl chloride, 4,4'-oxybis-
121-66-4 2-Thiazolamine, 5-nitro-
121-69-7 Benzenamine, N, N-dimethyl-
121-73-3 Benzene, 1-chloro-3-nitro-
121-82-4 1,3,5-Triazine, hexahydro-1,3,5-trinitro-
121-86-8 Benzene, 2-chloro-1-methyl-4-nitro-
121-87-9 Benzenamine, 2-chloro-4-nitro-
122-07-6 Ethanamine, 2,2-dimethoxy-N-methyl-
122-20-3 2-Propanol, 1,1', 1''-nitrilotris-
122-32-7 9-Octadecenoic acid (Z)-,1,2,3-propanetriyl ester
122-39-4 Benzenamine, N-phenyl
122-52-1 Phosphorous acid, triethyl ester
122-60-1 Oxirane, (phenoxymethyl)-
122-62-3 Decanedioic acid, bis(2-ethylhexyl) ester
122-66-7 Hydrazine, 1,2-diphenyl
122-99-6 Ethanol, 2-phenoxy-
123-01-3 Benzene, dodecyl-
123-02-4 Benzene, tridecyl-
123-05-7 Hexanal, 2-ethyl-
123-07-9 Phenol, 4-ethyl-
123-28-4 Propanoic acid, 3,3'-thiobis-, didodecyl ester
123-31-9 1,4-Benzenediol
123-33-1 3,6-Pyridazinedione, 1,2-dihydro-
123-35-3 1,6-Octadiene, 7-methyl-3-methylene-
123-42-2 2-Pentanone, 4-hydroxy-4-methyl-
123-48-8 3-Heptene, 2,2,4,6,6-pentamethyl-
123-51-3 1-Butanol, 3-methyl-
123-54-6 2,4-Pentanedione
123-62-6 Propanoic acid, anhydride
123-63-7 1,3,5-Trioxane, 2,4,6-trimethyl-
123-72-8 Butanal
123-77-3 Diazenedicarboxamide
123-79-5 Hexanedioic acid, dioctyl ester
123-86-4 Acetic acid, butyl ester
123-91-1 1,4-Dioxane
123-95-5 Octadecanoic acid, butyl ester
123-96-6 2-Octanol
124-02-7 2-Propen-1-amine, N-2-propenyl-
124-07-2 Octanoic acid
124-09-4 1,6-hexanediamine
124-10-7 Tetradecanoic acid, methyl ester
124-13-0 Octanal
124-16-3 2-Propanol, 1-(2-butoxyethoxy)-
124-17-4 4-Ethanol, 2-(2-butoxyethoxy)-, acetate
124-18-5 Decane
124-22-1 1-Dodecanamine
124-26-5 Octadecanamide
124-28-7 1-Octadecanamine, N,N-dimethyl-
124-40-3 Methanamine, N-methyl-
124-41-4 Methanol, sodium salt
124-63-0 Methanesulfonyl chloride
124-68-5 1-Propanol, 2-amino-2-methyl-
125-93-9 1-Phenanthrenecarboxylic acid, 1,2,3,4,4a,4b,5,6,7,9,10,10a-dodecahydro-1,4a-dimethyl-7-(1-methylethyl)-, 1,2,3-propanetriyl ester, [1R-(1.alpha.,4a.beta.,4b.alpha.,10a.alpha.)]-

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126–06–7 2,4-Imidazolidinedione, 3-bromo-1-chloro-5,5-dimethyl-
126–13–6 .alpha.-D-Glucopyranoside, 6-0-acetyl-1,3,4-tris-O-(2-methyl-1-oxopropyl)-.beta.-D-fructofuranosyl, 6-acetate 2,3,4-tris-(2-methylpropanoate)
126–15–8 4a(4H)-Dibenzofurancarboxaldehyde, 1,5a,6,9,9a,9b-hexahydro-
126–33–0 Thiopene, tetrahydro-, 1,1-dioxide
126–58–9 1,3-Propanediol, 2,2'-[oxybis(methylene)]bis[2-(hydroxymethyl)-
126–72–7 1-Propanol, 2,3-dibromo-, phosphate (3:1)
126–73–8 Phosphoric acid tributyl ester
126–83–0 1-Propanesulfonic acid, 3-chloro-2-hydroxy-, monosodium salt
126–86–3 5-Decyne-4,7-diol, 2,4,7,9-tetramethyl-
126–92–1 Sulfuric acid, mono(2-ethylhexyl) ester, sodium salt
126–98–7 2-Propenenitrile, 2-methyl-
126–99–8 1,3-Butadiene, 2-chloro-
127–00–4 2-Propanol, 1-chloro-
127–19–5 Acetamide, N,N-dimethyl-
127–68–4 Benzenesulfonic acid, 3-nitro-, sodium salt
127–91–3 Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene-
128–09–6 2,5-Pyrrolidinedione, 1-chloro-
128–37–0 Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-
128–39–2 Phenol, 2,6-bis(1,1-dimethylethyl)-
128–42–7 Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-nitro-
128–58–5 Dinaphtho[1,2,3-cd:3',2',1'-1m]perylene-5,10-dione, 16,17-dimethoxy-
128–66–5 Dibenzo[b,def]chrysene-7,14-dione
129–09–9 Anthra[2,1-d:6,5]bisthiazole-6,12-dione, 2,8-diphenyl-
129–17–9 Ethanaminium, N-[4-[[4-(diethylamino)phenyl](2,4-disulfophenyl)methylene]2,5-cyclohexadien-1-ylidene]-N-ethyl-, hydroxide, inner salt, sodium salt
129–79–3 9H-Fluoren-9-one, 2,4,7-trinitro-
130–15–4 1,4-naphthalenedione
130–20–1 5,9,14,18-Anthrazinetetrone, 7,16-dichloro-6,15-dihydro-
131–11–3 1,2-Benzenedicarboxylic acid, dimethyl ester
131–17–9 1,2-Benzenedicarboxylic acid, di-2-propenyl ester
131–56–6 Methanone, (2,4-dihydroxyphenyl)phenyl-
131–73–7 Benzenamine, 2,4,6-trinitro-N-(2,4,6-trinitrophenyl)-
132–32–1 9H-Carbazol-3-amine, 9-ethyl-
132–53–6 1-Naphthalenol, 2-nitroso-
132–64–9 Dibenzofuran
132–67–2 Benzoic acid, 2-[(1-naphthalenylamino)carbonyl]-, monosodium salt
133–06–2 1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-
133–07–3 1H-Isoindole-1,3(2H)-dione, 2-[(trichloromethyl)thio]-
133–59–5 Benzenesulfonyl chloride, 2-methyl-
134–20–3 Benzoic acid, 2-amino-, methyl ester
134–32–7 1-Naphthalenamine
135–12–6 Benzene, 4-chloro-1-(4-chlorophenoxy)-2-nitro-

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135–20–6 Benzenamine, N-hydroxy-N-nitroso-, ammonium salt
136–23–2 Zinc, bis(dibutylcarbamodithioato-S,S')-, (T-4)-
136–30–1 Carbamodithioic acid, dibutyl-, sodium salt
136–32–3 Phenol, 2,4,5-trichloro-, sodium salt
136–35–6 1-Triazene, 1,3-diphenyl
136–52–7 Hexanoic acid, 2-ethyl-, cobalt(2+) salt
136–99–2 1H-Imidazole-1-ethanol, 4,5-dihydro-2-undecyl-
137–05–3 2-Propenoic acid, 2-cyano-, methyl ester
137–20–2 Ethanesulfonic acid, 2-[methyl(1-oxo-9-octadecenyl) amino]-, sodium salt, (Z)-
137–26–8 Thioperoxydicarbonic diamide, tetramethyl-
137–32–6 1-Butanol, 2-methyl-
137–99–5 Phenol, 2,4-dinonyl-
138–86–3 Cyclohexene, 1-methyl-4-(1-methylethenyl)-
138–89–6 Benzenamine, N,N-dimethyl-4-nitroso-
139–02–6 Phenol, sodium salt
139–05–9 Sulfamic acid, cyclohexyl-, monosodium salt
139–06–0 Sulfamic acid, cyclohexyl-, calcium salt (2:1)
139–08–2 Benzenemethanaminium, N,N-dimethyl-N-tetradecyl-, chloride
139–65–1 Benzenamine, 4,4'-thiobis-
139–89–9 Glycine, N-[2-[bis(carboxymethyl) amino]ethyl]-N-(2-hydroxygethyl)-, trisodium salt
139–96–8 Sulfuric acid, monododecyl ester, compd. with 2,2',2''-nitrilotris[ethanol] (1:1)
140–01–2 Glycine, N,N-bis[2-[bis(carboxymethyl)amino]ethyl]-, pentasodium salt
140–08–9 Ethanol, 2-chloro-, phosphite (3:1)
140–11–4 Acetic acid, phenylmethyl ester
140–29–4 Benzeneacetonitrile
140–31–8 1-Piperazineethanamine
140–49–8 Acetamide, N-[4-(chloroacetyl)phenyl]-
140–60–3 Benzenesulfonic acid, 4-decyl-
140–66–9 Phenol, 4-(1,1,3,3-tetramethylbutyl)-
140–67–0 Benzene, 1-methoxy-4-(2-propenyl)-
140–79–4 Piperazine, 1,4-dinitroso-
140–88–5 2-Propenoic acid, ethyl ester
140–93–2 Carbonodithioic acid, 0-(1-methylethyl) ester, sodium salt
141–07–1 Urea, N,N'-bis(methoxymethyl)-
141–17–3 Hexanedioic acid, bis[2-(2-butoxyethoxy)ethyl] ester
141–22–0 9-Octadecenoic acid, 12-hydroxy-, [R-(Z)]-
141–24–2 9-Octadecenoic acid, 12-hydroxy-, methyl ester, [R-(Z)]-
141–28–6 Hexanedioic acid, diethyl ester
141–32–2 2-Propenoic acid, butyl ester
141–38–8 Oxiraneoctanoic acid, 3-octyl-, 2-ethylhexyl ester
141–43–5 Ethanol, 2-amino-
141–52–6 Ethanol, sodium salt
141–53–7 Formic acid, sodium salt
141–85–5 Benzenamine, 3-chloro-, hydrochloride
141–90–2 4(1H)-Pyrimidinone, 2,3-dihydro-2-thioxo-
141–97–9 Butanoic acid, 3-oxo-, ethyl ester

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142–04–1 Benzenamine, hydrochloride
142–09–6 2-Propenoic acid, 2-methyl-, hexyl ester
142–16–5 2-Butenedioic acid (Z)-, bis(2-ethylhexyl) ester
142–22–3 2,5,8,10-Tetraoxatridec-12-enoic acid, 9-oxo-, 2-propenyl ester
142–28–9 Propane, 1,3-dichloro-
142–30–3 3-Hexyne-2,5-diol, 2,5-dimethyl-
142–58–5 Tetradecanamide, N-(2-hydroxyethyl)-
142–59–6 Carbamodithioic acid, 1,2-ethanediylbis-, disodium salt
142–73–4 Glycine, N-(carboxymethyl)-
142–77–8 9-Octadecenoic acid (Z)-, butyl ester
142–78–9 Dodecanamide, N-(2-hydroxyethyl)-
142–82–5 Heptane
142–84–7 1-Propanamine, N-propyl-
142–90–5 2-Propenoic acid, 2-methyl-, dodecyl ester
142–91–6 Hexadecanoic acid, 1-methylethyl ester
142–92–7 Acetic acid, hexyl ester
142–96–1 Butane, 1,1'-oxybis-
143–18–0 9-Octadecenoic acid (Z)-, potassium salt
143–19–1 9-Octadecenoic acid (Z)-, sodium salt
143–22–6 Ethanol, 2-[2-(2-butoxyethoxy)ethoxy]-
143–23–7 1,6-Hexanediamine, N-(6-aminohexyl)-
143–29–3 5,8,11,13,16,19-Hexaoxatricosane
144–19–4 1,3-Pentanediol, 2,2,4-trimethyl-
145–73–3 7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid
147–14–8 Copper, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, (SP-4-1)-
147–47–7 Quinoline, 1,2-dihydro-2,2,4-trimethyl-
147–82–0 Benzenamine, 2,4,6-tribromo-
148–24–3 8-Quinolinol
149–30–4 2(3H)-Benzothiazolethione
149–44–0 Methanesulfinic acid, hydroxy-, monosodium salt
149–57–5 Hexanoic acid, 2-ethyl-
149–74–6 Silane, dichloromethylphenyl-
150–39–0 Glycine, N-[2-[bis(carboxymethyl)amino]ethyl]-N-(2-hydroxyethyl)-
151–01–9 Carbonodithioic acid, O-ethyl ester
151–18–8 Propanenitrile, 3-amino-
151–21–3 Sulfuric acid monododecyl ester sodium salt
151–32–6 Hexanedioic acid, dinonyl ester
151–41–7 Sulfuric acid, monododecyl ester
151–50–8 Potassium cyanide
151–56–4 Aziridine
154–17–6 D-arabino-Hexose, 2-deoxy-
155–04–4 2(3H)-Benzothiazolethione, zinc salt
155–41–9 3-Oxa-9-azoniatricyclo[3.3.1.02,4]nonane, 7-(3-hydroxy-1-oxo-2-phenylpropoxy)-9,9-dimethyl-, bromide, [7(S)-(1.alpha.,2.beta.,4.beta.,5.alpha.,7.beta.)]-
156–10–5 Benzenamine, 4-nitroso-N-phenyl-
156–54–7 Butanoic acid, sodium salt
156–59–2 Ethene, 1,2-dichloro-, (Z)-
193–39–5 Indeno[1,2,3-cd]pyrene
206–44–0 Fluoranthene
208–96–8 Acenaphthylene

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280–57–9 1,4-Diazabicyclo[2.2.2]octane
285–67–6 6-Oxabicyclo[3.1.0]hexane
286–20–4 7-Oxabicyclo[4.1.0]heptane
287–92–3 Cyclopentane
294–62–2 Cyclododecane
298–06–6 Phosphorodithioic acid, O,O-diethyl ester
298–12–4 Acetic acid, oxo-
300–92–5 Aluminum, hydroxybis(octadecanoato-O)-
301–02–0 9-Octadecenamide, (Z)-
306–37–6 Hydrazine, 1,2-dimethyl-, dihydrochloride
307–35–7 1-Octanesulfonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-
320–72–9 Benzoic acid, 3,5-dichloro-2-hydroxy-
333–41–5 Phosphorothioic acid, O,O-diethyl O-[6-methyl-2-(1-methylethyl)-4-pyrimidinyl] ester
334–48–5 Decanoic acid
339–43–5 Benzenesulfonamide, 4-amino-N-[(butylamino) carbonyl]-
352–93–2 Ethane, 1,1'-thiobis-
366–18–7 2,2'-Bipyridine
372–09–8 Acetic acid, cyano-
373–02–4 Acetic acid, nickle(2+) salt
374–07–2 Ethane, 1,1-dichloro-1,2,2,2-tetrafluoro-
393–75–9 Benzene, 2-chloro-1,3-dinitro-5-(trifluoromethyl)-
409–02–9 Heptenone, methyl-
420–12–2 Thiirane
428–59–1 Oxirane, trifluoro(trifluoromethyl)-
460–19–5 Ethanedinitrile
463–49–0 1,2-Propadiene
463–51–4 Ethenone
463–58–1 Carbon oxide sulfide
465–73–6 1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1.alpha.,4.alpha.,4a.beta.,5.beta.,8.beta.,8a.beta.)
467–62–9 Benzenemethanol, 4-amino-.alpha.,.alpha.-bis(4-aminophenyl)-
470–67–7 7-Oxabicyclo[2.2.1]heptane, 1-methyl-4-(1-methylethyl)-
473–54–1 Bicyclo[3.1.1]heptan-2-ol, 2,6,6,-trimethyl-
473–55–2 Bicyclo[3.1.1]heptane, 2,6,6-trimethyl-
482–89–3 3H-Indol-3-one, 2-(1,3-dihydro-3-oxo-2H-indol-2-glidene)-1,2-dihydro-
486–25–9 9H-Fluoren-9-one
491–04–3 2-Cyclohexen-1-ol, 3-methyl-6-(1-methylethyl)-
492–80–8 Benzenamine, 4,4'-carbonimidoylbis[N,N-dimethyl-
493–52–7 Benzoic acid, 2-[[4-(dimethylamino)phenyl]azo]-
495–48–7 Diazene, diphenyl-, 1-oxide
495–54–5 1,3-Benzenediamine, 4-(phenylazo)-
496–03–7 Hexanal, 2-ethyl-3-hydroxy-
496–72–0 1,2-Benzenediamine, 4-methyl-
497–39–2 Phenol, 2,4-bis(1,1-dimethylethyl)-5-methyl-
502–44–3 2-Oxepanone
503–30–0 Oxetane
503–60–6 2-Butene, 1-chloro-3-methyl-
503–74–2 Butanoic acid, 3-methyl-
504–29–0 2-Pyridinamine
504–60–9 1,3-Pentadiene
505–32–8 1-Hexadecen-3-ol, 3,7,11,15-tetramethyl-
506–51–4 1-Tetracosanol

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506–93–4 Guanidine, mononitrate
513–35–9 2-Butene, 2-methyl-
513–74–6 Carbamodithioic acid, monoammonium salt
515–42–4 Benzenesulfonic acid, sodium salt
520–45–6 2H-Pyran-2,4(3H)-dione, 3-acetyl-6-methyl-
523–44–4 Benzenesulfonic acid, 4-[(4-hydroxy-1-naphthalenyl)azo]-, monosodium salt
526–75–0 Phenol, 2,3-dimethyl-
527–60–6 Phenol, 2,4,6-trimethyl-
529–34–0 1(2H)-Naphthalenone, 3,4-dihydro-
530–91–6 2-Naphthalenol, 1,2,3,4-tetrahydro-
534–15–6 Ethane, 1,1-dimethoxy-
540–49–8 Ethene, 1,2-dibromo
540–54–5 Propane, 1-chloro-
540–59–0 Ethene, 1,2-dichloro-
540–63–6 1,2-Ethanedithiol
540–84–1 Pentane, 2,2,4-trimethyl-
541–02–6 Cyclopentasiloxane, decamethyl-
541–35–5 Butanamide
541–41–3 Carbonochloridic acid, ethyl ester
541–73–1 Benzene, 1,3-dichloro-
541–88–8 Acetic acid, chloro-, anhydride
542–18–7 Cyclohexane, chloro-
542–92–7 1,3-Cyclopentadiene
544–17–2 Formic acid, calcium salt
544–18–3 Formic acid, cobalt(2+) salt
544–63–8 Tetradecanoic acid
544–92–3 Copper cyanide
547–64–8 Propanoic acid, 2-hydroxy-, methyl ester
551–93–9 Ethanone, 1-(2-aminophenyl)-
552–30–7 5-Isobenzofurancarboxylic acid, 1,3-dihydro-1,3-dioxo-
553–97–9 2,5-Cyclohexadiene-1,4-dione, 2-methyl-
554–00–7 Benzenamine, 2,4-dichloro-
554–12–1 Propanoic acid, methyl ester
554–68–7 Ethanamine, N,N-diethyl-, hydrochloride
554–84–7 Phenol, 3-nitro-
555–31–7 2-Propanol, aluminum salt
555–43–1 Octadecanoic acid, 1,2,3-propanetriyl ester
555–75–9 Ethanol, aluminum salt
556–52–5 Oxiranemethanol
556–64–9 Thiocyanic acid, methyl ester
556–67–2 Cyclotetrasiloxane, octamethyl-
556–88–7 Guanidine, nitro-
557–04–0 Octadecanoic acid, magnesium salt
557–05–1 Octadecanoic acid, zinc salt
557–98–2 1-Propene, 2-chloro-
558–13–4 Methane, tetrabromo-
563–41–7 Hydrazinecarboxamide, monohydrochloride
563–45–1 1-Butene, 3-methyl-
563–46–2 1-Butene, 2-methyl-
565–00–4 Bicyclo[2.2.1]heptane, 2,2-dimethyl-3-methylene-, (.+ —.)-
569–61–9 Benzenamine, 4-[(4-aminophenyl)(4-imino-2,5-cyclohexadien-1-ylidene)methyl]-, monohydrochloride
576–26–1 Phenol, 2,6-dimethyl-
577–11–7 Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt
578–54–1 Benzenamine, 2-ethyl-
579–66–8 Benzenamine, 2,6-diethyl-
583–60–8 Cyclohexanone, 2-methyl-
583–78–8 Phenol, 2,5-dichloro-
583–91–5 Butanoic acid, 2-hydroxy-4-(methylthio)-
584–84–9 Benzene, 2,4-diisocyanato-1-methyl-

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586–62–9 Cyclohexene, 1-methyl-4-(1-methylethylidene)-
588–59–0 Benzene, 1,1'-(1,2-ethenediyl)bis-
590–02–3 Acetic acid, chloro-, butyl ester
590–18–1 2-Butene, (Z)-
590–19–2 1,2-Butadiene
590–21–6 1-Propene, 1-chloro-
590–29–4 Formic acid, potassium salt
590–86–3 Butanal, 3-methyl-
590–92–1 Propanoic acid, 3-bromo-
591–78–6 2-Hexanone
592–01–8 Calcium cyanide
592–04–1 Mercury cyanide
592–31–4 Urea, butyl-
592–35–8 Carbamic acid, butyl ester
592–45–0 1,4-Hexadiene
592–51–8 4-Pentenenitrile
592–76–7 1-Heptene
593–60–2 Ethene, bromo-
593–81–7 Methanamine, N,N-dimethyl-, hydrochloride
594–42–3 Methanesulfenyl chloride, trichloro-
597–31–9 Propanal, 3-hydroxy-2,2-dimethyl-
598–55–0 Carbamic acid, methyl ester
595–56–1 Ethanamine, N,N-dimethyl-
598–78–7 Propanoic acid, 2-chloro-
598–96–9 2-Pentene, 3,4,4-trimethyl-
602–01–7 Benzene, 1-methyl-2,3-dinitro-
602–87–9 Acenaphthylene, 1,2-dihydro-5-nitro-
603–35–0 Phosphine, triphenyl-
606–20–2 Benzene, 2-methyl-1,3-dinitro-
606–21–3 Benzene, 2-chloro-1,3-dinitro-
607–57–8 9H-Fluorene, 2-nitro-
608–27–5 Benzenamine, 2,3-dichloro-
608–71–9 Phenol, pentabromo-
608–93–5 Benzene, pentachloro-
609–93–8 Phenol, 4-methyl-2,6-dinitro-
610–39–9 Benzene, 4-methyl-1,2-dinitro-
612–83–9 [1,1'-Biphenyl]-4,4'-diamine, 3,3'-dichloro-, dihydrochlorofide
613–37–6 1,1'-Biphenyl, 4-methoxy-
613–94–5 Benzoic acid, hydrazide
614–00–6 Benzenamine, N-methyl-N-nitroso-
614–45–9 Benzenecarboperoxoic acid, 1,1-dimethylethyl ester
615–05–4 1,3-Benzenediamine, 4-methoxy-
615–53–2 Carbamic acid, methylnitroso-, ethyl ester
616–02–4 2,5-Furandione, 3-methyl-
616–21–7 Butane, 1,2-dichloro-
616–45–5 2-Pyrrolidinone
617–94–7 Benzenemethanol, .alpha.,.alpha.-dimethyl-
619–15–8 Benzene, 2-methyl-1,4-dinitro-
619–17–0 Benzoic acid, 2-amino-4-nitro-
619–66–9 Benzoic acid, 4-formyl-
620–17–7 Phenol, 3-ethyl-
621–64–7 1-Propanamine, N-nitroso-N-propyl-
623–42–7 Butanoic acid, methyl ester
623–78–9 Carbamic acid, ethyl-, ethyl ester
623–84–7 1,2-Propanediol, diacetate
623–91–6 2-Butenedioic acid (E)-, diethyl ester
624–18–0 1,4-Benzenediamine, dihydrochloride
624–64–6 2-Butene, (E)-
626–17–5 1,3-Benzenedicarbonitrile
626–43–7 Benzenamine, 3,5-dichloro-
626–48–2 2,4(1H,3H)-Pyrimidinedione, 6-methyl-
627–12–3 Carbamic acid, propyl ester
627–20–3 2-Pentene, (Z)-
627–93–0 Hexanedioic acid, dimethyl ester

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628–02–4 Hexanamide
628–63–7 Acetic acid, pentyl ester
628–94–4 Hexanediamide
628–96–6 1,2-Ethanediol, dinitrate
629–50–5 Tridecane
629–59–4 Tetradecane
629–62–9 Pentadecane
629–73–2 1-Hexadecene
629–96–9 1-Eicosanol
631–61–8 Acetic acid, ammonium salt
632–22–4 Urea, tetramethyl-
632–79–1 1,3-Isobenzofurandione, 4,5,6,7-tetrabromo-
634–66–2 Benzene, 1,2,3,4-tetrachloro-
634–90–2 Benzene, 1,2,3,5-tetrachloro-
634–93–5 Benzenamine, 2,4,6-trichloro-
635–22–3 Benzenamine, 4-chloro-3-nitro-
636–53–3 1,3-Benzenedicarboxylic acid, diethyl ester
637–12–7 Octadecanoic acid, aluminum salt
638–38–0 Acetic acid, manganese(2+) salt
638–65–3 Octadecanenitrile
640–19–7 Acetamide, 2-fluoro-
644–97–3 Phosphonous dichloride, phenyl-
645–62–5 2-Hexenal, 2-ethyl-
646–04–8 2-Pentene, (E)-
646–06–0 1,3-Dioxolane
646–13–9 Octadecanoic acid, 2-methylpropyl ester
657–84–1 Benzenesulfonic acid, 4-methyl-, sodium salt
661–19–8 1-Docosanol
674–82–8 2-Oxetanone, 4-methylene-
676–58–4 Magnesium, chloromethyl-
680–31–9 Phosphoric triamide, hexamethyl-
681–84–5 Silicic acid, tetramethyl ester
683–18–1 Stannane, dibutyldichloro-
684–93–5 Urea, N-methyl-N-nitroso-
685–91–6 Acetamide, N,N-diethyl-
688–84–6 2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester
689–11–2 Urea, (1-methylpropyl)-
689–12–3 2-Propenoic acid, 1-methylethyl ester
689–97–4 1-Buten-3-yne
693–07–2 Ethane, 1-chloro-2-(ethylthio)-
693–23–2 Dodecanedioic acid
693–36–7 Propanoic acid, 3,3'-thiobis-, dioctadecyl ester
693–95–8 Thiazole, 4-methyl-
694–83–7 1,2-Cyclohexanediamine
702–54–5 2H-1,3-Oxazine-2,4(3H)-dione, 5,5-diethyldihydro-
719–32–4 1,4-Benzenedicarbonyl dichloride, 2,3,5,6-tetrachloro-
747–45–5 Cinchonan-9-ol, 6'-methoxy-, (9S)-, sulfate (1:1) (salt)
756–80–9 Phosphorodithioic acid, 0,0-dimethyl ester
759–73–9 Urea, N-ethyl-N-nitroso-
760–23–6 1-Butene, 3,4-dichloro-
764–41–0 2-Butene, 1,4-dichloro-
766–39–2 2,5-Furandione, 3,4-dimethyl-
768–52–5 Benzenamine, N-(1-methylethyl)-
782–74–1 Hydrazine, 1,2-bis (2-chlorophenyl)-
792–74–5 [1,1'-Biphenyl]-4,4'-dicarboxylic acid, dimethyl ester
793–24–8 1,4-Benzenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-
813–94–5 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, calcuim salt (2:3)
815–17–8 Butanoic acid, 3,3-dimethyl-2-oxo-
818–61–1 2-Propenoic acid, 2-hydroxyethyl ester
822–06–0 Hexane, 1,6-diisocyanato-
822–16–2 Octadecanoic acid, sodium salt
823–40–5 1,3-Benzenediamine, 2-methyl-
824–78–2 Phenol, 4-nitro-, sodium salt
827–94–1 Benzenamine, 2,6-dibromo-4-nitro-
828–00–2 1,3-Dioxan-4-ol, 2,6-dimethyl-, acetate
830–13–7 Cyclododecanone
836–30–6 Benzenamine, 4-nitro-N-phenyl-
839–90–7 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(2-hydroxyethyl)-
842–07–9 2-Naphtalenol, 1-(phenylazo)-
868–77–9 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester
869–24–9 Ethanamine, 2-chloro-N,N-diethyl-, hydrochloride
870–72–4 Methanesulfonic acid, hydroxy-, monosodium salt
872–05–9 1-Decene
872–50–4 2-Pyrrolidinone, 1-methyl-
897–55–2 Benzenamine, N,N-dimethyl-4-[2-(4-quinolinyl) ethenyl]-
919–30–2 1-Propanamine, 3-(triethoxysilyl)-
919–31–3 Propanenitrile, 3-(triethoxysilyl)-
924–16–3 1-Butanamine, N-butyl-N-nitroso-
924–42–5 2-Propenamide, N-(hydroxymethyl)-
925–60–0 2-Propenoic acid, propyl ester
926–06–7 Methanesulfonic acid, 1-methylethyl ester
926–57–8 2-Butene, 1,3-dichloro-
927–60–6 Butanamide, 4-hydroxy-
929–06–6 Ethanol, 2-(2-aminoethoxy)-
930–22–3 Oxirane, ethenyl-
930–37–0 Oxirane, (methoxymethyl)-
930–55–2 Pyrrolidine, 1-nitroso-
930–69–8 Benzenethiol, sodium salt
931–51–1 Magnesium, chlorocyclohexyl-
933–52–8 1,3-Cyclobutanedione, 2,2,4,4-tetramethyl-
933–75–5 Phenol, 2,3,6-trichloro-
947–04–6 Azacyclotridecan-2-one
959–26–2 1,4-Benzenedicarboxylic acid, bis(2-hydroxyethyl) ester
1000–82–4 Urea, (hydroxymethyl)-
1005–35–2 Sulfonium, (4-hydroxyphenyl) dimethyl-, chloride
1047–16–1 Quino[2,3-b]acridine-7,14-dione, 5,12-dihydro-
1067–33–0 Stannane, bis(acetyloxy) dibutyl-
1070–00–4 Aluminum, trioctyl-
1071–22–3 Propanenitrile, 3-(trichlorosilyl)-
1072–52–2 1-Aziridineethanol
1074–82–4 1H-Isoindole-1,3(2H)-dione, potassium salt
1077–56–1 Benzenesulfonamide, N-ethyl-2-methyl-
1103–38–4 1-Naphthalenesulfonic acid, 2-[(2-hydroxy-1-naphthalenyl) azo]-, barium salt (2:1)
1103–39–5 1-Naphthalenesulfonic acid, 2-[(2-hydroxy-1-naphthalenyl) azo]-, calcium salt (2:1)
1111–78–0 Carbamic acid, monoammonium salt
1115–20–4 Propanoic acid, 3-hydroxy-2,2-dimethyl-, 3-hydroxy-2,2-dimethylpropyl ester
1116–70–7 Aluminum, tributyl-
1116–73–0 Aluminum, trihexyl-
1116–76–3 1-Octanamine, N,N-dioctyl-
1117–97–1 Methanamine, N-methoxy-
1118–46–3 Stannane, butyltrichloro-
1119–40–0 Pentanedioic acid, dimethyl ester
1119–85–3 3-Hexenedinitrile
1120–21–4 Undecane
1120–36–1 1-Tetradecene
1121–70–6 Phenol, 4-methyl-, sodium salt
1139–30–6 5-Oxatricyclo[8.2.0.04,6]dodecane, 4,12,12-trimethyl-9-methylene-, [1R-(1R*,4R*,6R*,10S*)]-
1163–19–5 Benzene, 1,1'-oxybis[2,3,4,5,6-pentabromo-
1185–09–7 Ethanesulfenyl chloride, 1,1,2,2-tetrachloro-
1191–15–7 Aluminum, hydrobis(2-methylpropyl)-
1203–17–4 1H-Indene, 2,3-dihydro-1,1,2,3,3-pentamethyl-
1203–86–7 Ethanone, 2,2-dichloro-1-(2,4,5-trichlorophenyl)-
1208–52–2 Benzenamine, 2-[(4-aminophenyl)methyl]
1241–94–7 Phosphoric acid, 2-ethylhexyl diphenyl ester
1254–78–0 Phosphorous acid, didecyl phenyl ester
1300–71–6 Phenol, dimethyl-
1300–72–7 Benzenesulfonic acid, dimethyl-, sodium salt
1300–73–8 Benzenamine, ar,ar-dimethyl-
1302–42–7 Aluminate, sodium
1305–79–9 Calcium peroxide
1306–06–5 Hydroxylapatite
1306–19–0 Cadmium oxide
1308–14–1 Chromium hydroxide
1308–38–9 Chromium oxide
1309–48–4 Magnesium oxide
1309–60–0 Lead oxide
1309–64–4 Antimony oxide
1310–43–6 Iron phosphide
1310–61–8 Potassium sulfide
1312–76–1 Silicic acid, potassium salt
1313–27–5 Molybdenum oxide
1313–99–1 Nickel oxide
1314–34–7 Vanadium oxide
1314–35–8 Tungsten oxide
1314–41–6 Lead oxide
1314–62–1 Vanadium oxide
1314–96–1 Strontium sulfide
1314–98–3 Zinc sulfide
1317–36–8 Lead oxide
1317–37–9 Iron sulfide
1317–38–0 Copper oxide
1317–40–4 Copper sulfide
1317–42–6 Cobalt sulfide
1317–70–0 Anatase
1319–41–1 Saponite
1319–46–6 Lead, bis[carbonato(2-)]dihydroxytri-
1319–77–3 Phenol, methyl-
1320–66–7 Butanol, chloro-
1321–64–8 Naphthalene, pentachloro-
1321–65–9 Naphthalene, trichloro-
1321–74–0 Benzene, diethenyl-
1321–94–4 Naphthalene, methyl-
1324–76–1 Benzenesulfonic acid, [[4-[[4-(phenylamino)phenyl][4-(phenylimino)-2,5-cyclohexadien-1-ylidene]methyl]phenyl]amino]-
1325–37–7 C.I. Direct Yellow 11
1325–87–7 Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, molybdatetungsstatephosphate
1326–82–5 C.I. Sulphur Black 1
1327–57–7 C.I. Sulphur Blue 7
1328–53–6 C.I. Pigment Green 7
1330–20–7 Benzene, dimethyl-
1330–43–4 Boric acid, disodium salt
1330–61–6 2-Propenoic acid, isodecyl ester

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1330-76-3 2-Butenedioic acid (Z)-, diisooctyl ester
1330-78-5 Phosphoric acid, tris(methylphenyl) ester
1330-86-5 Hexanedioic acid, diisooctyl ester
1330-96-7 1,2-Benzenedicarboxylic acid, isodecyl octyl ester
1331-28-8 Benzene, chloroethenyl-
1332-65-6 Copper chloride hydroxide
1333-07-9 Benzenesulfonamide, ar-methyl-
1333-13-7 Phenol, (1,1-dimethylethyl)-3-methyl-
1333-39-7 Benzenesulfonic acid, hydroxy-
1333-41-1 Pyridine, methyl-
1333-82-0 Chromium oxide
1333-83-1 Sodium fluoride
1333-86-4 Carbon black
1334-78-7 Benzaldehyde, methyl-
1335-32-6 Lead, bis(acetato-O)tetrahydroxytri-
1335-87-1 Naphthalene, hexachloro-
1335-88-2 Naphthalene, tetrachloro-
1338-23-4 2-Butanone, peroxide
1338-24-5 Naphthenic acids
1338-41-6 Sorbitan, monooctadecanoate
1338-43-8 Sorbitan, mono-9-octadecenoate, (Z)-
1341-49-7 Ammonium fluoride
1343-88-0 Silicic acid, magnesium salt
1344-01-0 Aluminosilicic acid, calcium sodium salt
1344-09-8 Silicic acid, sodium salt
1344-37-2 C.I. Pigment Yellow 34
1344-73-6 Sulfuric acid, copper salt, basic
1344-81-6 Calcium sulfide
1344-95-2 Silicic acid, calcium salt
1345-04-6 Antimony sulfide
1345-09-1 Cadmium mercury sulfide
1345-13-7 Cerium oxide
1446-61-3 1-Phenanthrenemethanamine, 1,2,3,4,4a,9,10,10a-octahydro-1,4a-dimethyl-7-(1-methylethyl)-, [1R-(1.alpha.,4a.beta.,10a.alpha.)]-
1452-15-9 4-Thiazolecarbonitrile
1459-10-5 Benzene, tetradecyl-
1459-93-4 1,3-Benzenedicarboxylic acid, dimethyl ester
1461-25-2 Stannane, tetrabutyl-
1464-53-5 2,2'-Bioxirane
1465-25-4 1,2-Ethanediamine, N-1-naphthalenyl-, dihydrochloride
1476-11-5 2-Butene, 1,4-dichloro-, (Z)-
1497-68-3 Phosphonochloridothioic acid, ethyl-, O-ethyl ester
1498-51-7 Phosphorodichloridic acid, ethyl ester
1516-27-4 2-Propen-1-aminium, N,N,N-trimethyl-, chloride
1528-74-1 1,1'-Biphenyl, 4,4'-dinitro-
1529-57-3 Aluminum, trieicosyl-
1529-58-4 Aluminum, tritetradecyl-
1529-59-5 Aluminum, tridodecyl-
1562-00-1 Ethanesulfonic acid, 2-hydroxy-, monosodium salt
1563-38-8 7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-
1569-69-3 Cyclohexanethiol
1570-64-5 Phenol, 4-chloro-2-methyl-
1571-08-0 Benzoic acid, 4-formyl-, methyl ester
1623-19-4 Phosphoric acid, tri-2-propenyl ester
1628-58-6 Benzenamine, 4-[2-(2-benzothiazolyl)ethenyl]-N,N-dimethyl-
1633-05-2 Carbonic acid, strontium salt (1:1)

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1633-83-6 1,2-Oxathiane, 2,2-dioxide
1634-04-4 Propane, 2-methoxy-2-methyl-
1639-66-3 Butanedioic acid, sulfo-, 1,4-dioctyl ester, sodium salt
1643-20-5 1-Dodecanamine, N,N-dimethyl-, N-oxide
1646-75-9 Propanal, 2-methyl-2-(methylthio)-, oxime
1663-39-4 2-Propenoic acid, 1,1-dimethylethyl ester
1679-64-7 1,4-Benzenedicarboxylic acid, monomethyl ester
1689-82-3 Phenol, 4-(phenylazo)-
1694-09-3 Benzenemethanaminium, N-[4-[[4-(dimethylamino)phenyl][4-[ethyl[(3-sulfophenyl)methyl]amino]phenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-3-sulfo-, hydroxide, inner salt, sodium salt
1724-39-6 Cyclododecanol
1726-65-4 Aluminum, trihexadecyl-
1726-66-5 Aluminum, tris(decyl)-
1738-25-6 Propanenitrile, 3-(dimethylamino)-
1746-77-6 Carbamic acid, 1-methylethyl ester
1746-81-2 Urea, N'-(4-chlorophenyl)-N-methoxy-N-methyl-
1762-26-1 Plumbane, ethyltrimethyl-
1762-27-2 Plumbane, diethyldimethyl-
1762-28-3 Plumbane, triethylmethyl-
1762-95-4 Thiocyanic acid, ammonium salt
1772-25-4 1,3,6-Hexanetricarbonitrile
1777-84-0 Acetamide, N-(4-ethoxy-3-nitrophenyl)-
1779-25-5 Aluminum, chlorobis(2-methylpropyl)-
1806-26-4 Phenol, 4-octyl-
1807-55-2 Benzenamine, 4,4'-methylenebis[N-methyl-
1809-19-4 Phosphonic acid, dibutyl ester
1817-73-8 Benzenamine, 2-bromo-4,6-dinitro-
1843-05-6 Methanone, [2-hydroxy-4-(octyloxy)phenyl]phenyl-
1852-16-0 2-Propenamide, N-(butoxymethyl)-
1854-26-8 2-Imidazolidinone, 4,5-dihydroxy-1,3-bis(hydroxymethyl)-
1912-24-9 1,3,5-Triazine-2,4-diamine, 6-chloro-N-ethyl-N'-(1-methylethyl)-
1936-15-8 1,3-Naphthalenedisulfonic acid, 7-hydroxy-8-(phenylazo)-, disodium salt
1937-37-7 2,7-Naphthalenedisulfonic acid, 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)-, disodium salt
1942-71-8 Cyclohexanol, 2-(p-tert-butylphenoxy)-
1982-69-0 Benzoic acid, 3,6-dichloro-2-methoxy-, sodium salt
1984-06-1 Octanoic acid, sodium salt
2027-17-0 Naphthalene, 2-(1-methylethyl)-
2050-92-2 1-Pentanamine, N-pentyl-
2082-79-3 Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, octadecyl ester
2082-81-7 2-Propenoic acid, 2-methyl-, 1,4-butanediyl ester
2114-11-6 Carbamic acid, 2-propenyl ester
2130-56-5 [1,1'-Biphenyl]-3,3'-dicarboxylic acid, 4,4'-diamino-
2131-18-2 Benzene, pentadecyl-
2156-96-9 2-Propenoic acid, decyl ester
2176-62-7 Pyridine, pentachloro-

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2210-25-5 2-Propenamide, N-(1-methylethyl)-
2210-28-8 2-Propenoic acid, 2-methyl-, propyl ester
2216-51-5 Cyclohexanol, 5-methyl-2-(1-methylethyl)-, [1R-(1.alpha.,2.beta.,5.alpha.)]-
2223-82-7 2-Propenoic acid, 2,2-dimethyl-1,3-propanediyl ester
2223-93-0 Octadecanoic acid, cadmium salt
2231-57-4 Carbonothioic dihydrazide
2234-13-1 Naphthalene, octachloro-
2235-43-0 Phosphonic acid, [nitrilotris(methylene)]tris-, pentasodium salt
2235-54-3 Sulfuric acid, monododecyl ester, ammonium salt
2238-07-5 Oxirane, 2,2'-[oxybis(methylene)]bis-
2244-21-5 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3-dichloro-, potassium salt
2358-84-1 2-Propenoic acid, 2-methyl-, oxydi-2,1-ethanediyl ester
2372-45-4 1-Butanol, sodium salt
2386-87-0 7-Oxabicyclo[4.1.0]heptane-3-carboxylic acid, 7-oxabicyclo[4.1.0]hept-3-ylmethyl ester
2401-85-6 Naphthalene, 1-chloro-2,4-dinitro-
2402-79-1 Pyridine, 2,3,5,6-tetrachloro-
2409-55-4 Phenol, 2-(1,1-dimethylethyl)-4-methyl-
2416-94-6 Phenol, 2,3,6-trimethyl-
2425-74-3 Formamide, N-(1,1-dimethylethyl)-
2425-79-8 Oxirane, 2,2'-[1,4-butanediylbis(oxymethylene)]bis-
2425-85-6 2-Naphthalenol, 1-[(4-methyl-2-nitrophenyl)azo]-
2426-08-6 Oxirane, (butoxymethyl)-
2426-54-2 2-Propenoic acid, 2-(diethylamino)ethyl ester
2431-50-7 1-Butene, 2,3,4-trichloro-
2432-74-8 Hexanenitrile, 6-amino-
2432-99-7 Undecanoic acid, 11-amino-
2444-90-8 Phenol, 4,4'-(1-methylethylidene)bis-, disodium salt
2455-24-5 2-Propenoic acid, 2-methyl-, (tetrahydro-2-furanyl)methyl ester
2459-10-1 1,2,4-Benzenetricarboxylic acid, trimethyl ester
2461-18-9 Oxirane, [(dodecyloxy)methyl]-
2465-27-2 Benzenamine, 4,4'-carbonimidoylbis[N,N-dimethyl-, monohydrochloride
2465-29-4 3H-Xanthen-6-amine, N-methyl-3-(methylimino)-, monohydrochloride
2475-46-9 9,10-Anthracenedione, 1-[(2-hydroxyethyl)amino]-4-(methylamino)-
2489-77-2 Thiourea, trimethyl-
2492-26-4 2(3H)-Benzothiazolethione, sodium salt
2495-25-2 2-Propenoic acid, 2-methyl-, tridecyl ester
2495-27-4 2-Propenoic acid, 2-methyl-, hexadecyl ester
2495-39-8 2-Propene-1-sulfonic acid, sodium salt
2499-95-8 2-Propenoic acid, hexyl ester
2524-03-0 Phosphorochloridothioic acid, 0,0-dimethyl ester
2524-04-1 Phosphorochloridothioic acid, 0,0-diethyl ester
2528-36-1 Phosphoric acid, dibutyl phenyl ester
2530-85-0 2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)propyl ester

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2549–53–3 2-propenoic acid, 2-methyl-, tetradecyl ester
2550–40–5 Disulfide, dicyclohexyl
2551–62–4 Sulfur fluoride, (OC-6-11)-
2580–78–1 2-Anthracenesulfonic acid, 1-amino-9,10-dihydro-9,10-dioxo-4-[[3-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]-, disodium salt
2581–69–3 Benzenamine, 4-[(4-nitrophenyl) azo]-N-phenyl-
2602–46–2 2,7-Naphthalenedisulfonic acid, 3, 3'-[[1,1'-biphenyl]4,4'-diylbis (azo)]bis[5 amino-4-hydroxy-, tetrasodium salt
2610–05–1 1,3-Naphthalenedisulfonic acid, 6,6'-[(3,3'-dimethoxy[1,1'-biphenyl]-4,4'diyl)bis(azo)]bis[4-amino-5-hydroxy-, tetrasodium salt
2611–00–9 3-Cyclohexene-1-carboxylic acid, 3-cyclohexen-1-ylmethyl ester
2611–82–7 1,3-Naphthalenedisulfonic acid, 7-hydroxy-8-[(4-sulfo-1-naphthalenyl)azo]-, trisodium salt
2622–21–1 Cyclohexene, 1-ethenyl-
2627–06–7 Benzenesulfonic acid, 4-decyl-, sodium salt
2646–17–5 2-Naphthalenol, 1-[(2-methylphenyl)azo]-
2650–18–2 Benzenemethanaminium, N-ethyl-N-[4-[[4-[ethyl[(3-sulfophenyl)methyl]amino]phenyl](2-sulfophenyl)methylene]-2,5-cyclohexadien-1-ylidene]-3-sulfo-, hydroxide, inner salt, diammonium salt
2687–25–4 1,2-Benzenediamine, 3-methyl-
2691–41–0 1,3,5,7-Tetrazocine, octahydro-1,3,5,7-tetranitro-
2717–15–9 9-Octadecenoic acid (Z)-, compd. with 2,2',2''-nitrilotris[ethanol] (1:1)
2781–00–2 Peroxide, [1,4-phenylenebis(1-methylethylidene)]bis[(1,1-dimethylethyl)
2781–11–5 Phosphonic acid, [[bis(2-hydroxyethyl)amino]methyl]-, diethyl ester
2782–57–2 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3-dichloro-
2809–21–4 Phosphonic acid, (1-hydroxyethylidene)bis-
2814–20–2 4(1H)-Pyrimidinone, 6-methyl-2-(1-methylethyl)-
2819–86–5 Phenol, pentamethyl-
2832–40–8 Acetamide, N-[4-[(2-hdroxy-5-methylphenyl) azo]phenyl]-
2855–19–8 Oxirane, decyl-
2867–47–2 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester
2893–78–9 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3-dichloro-, sodium salt
2905–60–4 Benzoyl chloride, 2,3-dichloro-
2905–61–5 Benzoyl chloride, 2,5-dichloro-
2905–65–9 Benzoic acid, 3-chloro-, methyl ester
2905–69–3 Benzoic acid, 2,5,-dichloro-, methyl ester
2917–73–9 Nonanedioic acid, dibutyl ester
2935–90–2 Propanoic acid, 3-mercapto-, methyl ester
2941–64–2 Carbonochloridothioic acid, S-ethyl ester
2948–46–1 1,4-Benzenedimethanol, .alpha.,.alpha.,.alpha.',.alpha.'-tetramethyl-
2971–22–4 Benzene, 1,1'-(2,2,2-trichloroethylidene)bis-
3001–61–4 2-Imidazolidinone, 4,5-dihydroxy-1,3-bis(methoxymethyl)-
3002–22–0 Octadecanoic acid, nitrilotri-2,1-ethanediyl ester

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3021–31–6 Chlorosulfurous acid, 2-(p-tert-butylphenoxy) cyclohexyl ester
3026–63–9 1-Tridecanol, hydrogen sulfate, sodium salt
3039–83–6 Ethenesulfonic acid, sodium salt
3041–23–4 Aluminum, trioctadecyl-
3047–33–4 1,3,5-Triazine-2,4,6(1H,3H,5H),trione, trisodium salt
3048–64–4 Bicyclo[2.2.1]hept-2-ene, 5-ethenyl-
3048–65–5 1H-Indene, 3a,4,7,7a-tetrahydro-
3070–15–3 Phosphorothoic acid, 0,0-diethyl 0-[4-(methylthio) phenyl] ester
3071–32–7 Hydroperoxide, 1-phenylethyl
3076–04–8 2-Propenoic acid, tridecyl ester
3081–01–4 1,4-Benzenediamine, N-(1,4-dimethylpentyl)-N'-phenyl-
3081–14–9 1,4-Benzenediamine, N,N'-bis(1,4-dimethylpentyl)-
3083–25–8 Oxirane, (2,2,2,-trichloroethyl)-
3085–30–1 1-Butanol, aluminum salt
3085–35–6 Methanol, butoxy-
3087–16–9 Methanaminium, N-[4-[[4-(dimethylamino)phenyl](2-hydroxy-3,6-disulfo-1-naphthalenyl) methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, hydroxide, inner salt, monosodium salt
3088–31–1 Ethanol, 2-[2-(dodecyloxy)ethoxy]-, hydrogen sulfate, sodium-salt
3091–32–5 Stannane, chlorotricyclohexyl-
3118–97–6 2-Naphthalenol, 1-[(2,4-dimethylphenyl)azo]-
3129–91–7 Cyclohexanamine, N-cyclohexyl-, nitrite
3132–64–7 Oxirane, (bromomethyl)-
3159–62–4 Octadecanoic acid, 12-hydroxy-, calcium salt (2:1)
3165–93–3 Benzenamine, 4-chloro-2-methyl-, hydrochloride
3194–55–6 Cyclododecane, 1,2,5,6,9,10-hexabromo
3234–02–4 2-Butene-1,4-diol, 2,3-dibromo-
3268–49–3 Propanal, 3-(methylthio)-
3271–76–9 Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15(16H)-trione
3278–35–1 Thiodicarbonic acid, diethyl ester
3278–89–5 Benzene, 1,3,5-tribromo-2-(2-propenyloxy)-
3290–70–8 1-Butanol, 2,4,4,4-tetrachloro-
3290–92–4 2-Propenoic acid, 2-methyl-, 2-ethyl-2-[[(2-methyl-1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester
3294–03–9 Phenol, 2,2'-thiobis[4-(1,1,3,3-tetramethylbutyl)-
3296–90–0 1,3-Propanediol, 2,2-bis(bromomethyl)-
3302–10–1 Hexanoic acid, 3,5,5-trimethyl-
3319–31–1 1,2,4-Benzenetricarboxylic acid, tris(2-ethylhexyl) ester
3322–93–8 Cyclohexane, 1,2-dibromo-4-(1,2-dibromoethyl)-
3323–53–3 Hexanedioic acid, compd. with 1,6-hexanediamine (1:1)
3327–22–8 1-Propanaminium, 3-chloro-2-hydroxy-N,N,N-trimethyl-, chloride
3333–67–3 Carbonic acid, nickel (2+) salt (1:1)
3338–24–7 Phosphorodithioic acid, 0,0-diethyl ester, sodium salt
3389–71–7 Bicyclo[2.2.1]hepta-2,5-diene, 1,2,3,4,7,7-hexachloro-
3401–80–7 Benzoic acid, 3,6-dichloro-2-hydroxy-
3404–67–9 1-Pentene, 2-ethyl-3-methyl-

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3457–46–3 Ethanedione, bis(4-chlorophenyl)-
3497–00–5 Phosphonothioic dichloride, phenyl-
3564–21–4 2-Naphthalenecarboxylic acid, 4-[(5-chloro-4-methyl-2-sulfophenyl) azo]-3-hydroxy-, disodium salt
3566–10–7 Carbamodithioic acid, 1,2-ethanediylbis-, diammonium salt
3567–69–9 1-Naphthalenesulfonic acid, 4-hydroxy-3-[(4-sulfo-1-naphthalenyl) azo]-, disodium salt
3648–20–2 1,2-Benzenedicarboxylic acid, diundecyl ester
3710–84–7 Ethanamine, N-ethyl-N-hydroxy-
3724–65–0 2-Butenoic acid
3734–48–3 4,7-Methano-1H-indene, 4,5,6,7,8,8-hexachloro-3a,4,7,7a-tetrahydro-
3759–61–3 Carbonochloridic acid, 1-naphthalenyl ester
3761–53–3 2,7-Naphthalenedisulfonic acid, 4-[(2,4-dimethylphenyl)azo]-3-hydroxy-, disodium salt
3775–90–4 2-Propenoic acid, 2-methyl-, 2-[(1,1-dimethylethyl)amino]ethyl ester
3844–45–9 Benzenemethanaminium, N-ethyl-N-[4-[[4-[ethyl[(3-sulfophenyl)methyl]amino]phenyl](2-sulfophenyl)methylene]-2,5-cyclohexadien-1-ylidene]-3-sulfo-, hydroxide, inner salt, disodium salt
3926–62–3 Acetic acid, chloro-, sodium salt
3938–95–2 Propanoic acid, 2,2-dimethyl-, ethyl ester
3953–10–4 2-propenoic acid, 2-ethylbutyl ester
3965–55–7 1,3-Benzenedicarboxylic acid, 5-sulfo-, 1,3-dimethyl ester, sodium salt
3982–91–0 Thiophosphoryl chloride
3985–81–7 1-Octadecanol, aluminum salt
4016–11–9 Oxirane, (ethoxymethyl)-
4016–14–2 Oxirane, [(1-methylethoxy)methyl]-
4026–20–4 Butanoic acid, 2-hydroxy-3,3-dimethyl-
4035–89–6 Imidodicarbonic diamide, N,N', 2-tris(6-isocyanatohexyl)-
4075–79–0 Acetamide, N-[1,1'-biphenyl]-4-yl
4088–22–6 1-Octadecanamine, N-methyl-N-octadecyl-
4098–71–9 Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-
4116–10–3 Butanamide, 2-chloro-N-methyl-3-oxo-
4170–30–3 2-Butenal
4180–23–8 Benzene, 1-methoxy-4-(1-propenyl)-, (E)-
4208–80–4 3H-Indolium, 2-[2-[(2,4-dimethoxyphenyl)amino]ethenyl]-1,3,3-trimethyl-, chloride
4259–15–8 Phosphorodithioic acid, O,O-bis(2-ethylhexyl) ester, zinc salt
4316–73–8 Glycine, N-methyl-, monosodium salt
4316–74–9 Ethanesulfonic acid, 2-(methylamino)-, monosodium salt
4404–43–7 Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-
4439–20–7 Ethanol, 2,2'-(1,2-ethanediyldiimino)bis-
4454–05–1 2H-Pyran, 3,4-dihydro-2-methoxy-
4461–52–3 Methanol, methoxy-
4548–53–2 1-Naphthalenesulfonic acid, 3-[(2,4-dimethyl-5-sulfophenyl)azo]-4-hydroxy-, disodium salt

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4553–62–2 Pentanedinitrile, 2-methyl-
4635–87–4 3-Pentenenitrile
4680–78–8 Benzenemethanaminium, N-ethyl-N-[4-[[4-[ethyl[(3-sulfophenyl)methyl]amino]phenyl]-phenylmethylene]-2,5-cyclohexadien-1-ylidene]-3-sulfo-, hydroxide, inner salt, sodium salt
4835–11–4 1,6-Hexanediamine, N,N'-dibutyl-
4861–19–2 Urea, phosphate (1:1)
5064–31–3 Glycine, N,N-bis(carboxymethyl)-, trisodium salt
5075–13–8 Phosphonochloridothioic acid, phenyl-, O-ethyl ester
5124–30–1 Cyclohexane, 1,1'-methylenebis[4-isocyanato-
5141–20–8 Benzenemethanaminium, N-ethyl-N-[4-[[4-[ethyl[(3-sulfophenyl)methyl]amino]phenyl](4-sulfophenyl)methylene]-2,5-cyclohexadien-1-ylidene]-3-sulfo-, hydroxide, inner salt, disodium salt
5153–63–9 Pyridine, acetate
5160–02–1 Benzenesulfonic acid, 5-chloro-2-[(2-hydroxy-1-naphthalenyl)azo]-4-methyl-, barium salt (2:1)
5188–07–8 Methanethiol, sodium salt
5216–25–1 Benzene, 1-chloro-4-(trichloromethyl)-
5274–68–0 3,6,9,12-Tetraoxatetracosan-1-ol
5281–04–9 2-Naphthalenecarboxylic acid, 3-hydroxy-4-[(4-methyl-2-sulfophenyl)azo]-, calcium salt (1:1)
5329–14–6 Sulfamic acid
5330–17–6 Acetic acid, chloro-, 2-butoxyethyl ester
5388–62–5 Benzenamine, 4-chloro-2,6-dinitro-
5390–94–3 Sulfamic acid, methoxymethyl-, sodium salt
5412–25–9 1-Propanol, 2,3-dibromo-, hydrogen phosphate
5455–98–1 1H-Isoindole-1,3(2H)-dione, 2-(oxiranylmethyl)-
5460–09–3 2,7-Naphthalenedisulfonic acid, 4-amino-5-hydroxy-, monosodium salt
5468–75–7 Butanamide, 2,2'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(2-methylphenyl)-3-oxo-
5500–21–0 Cyclopropanecarbonitrile
5536–61–8 2-Propenoic acid, 2-methyl-, sodium salt
5616–32–0 Acetonitrile, (methylamino)-
5650–20–4 3,6,9,12-Tetraoxatetradecan-1-ol
5685–06–3 2(3H)-Thiazolethione, 4-methyl-
5766–67–6 Acetonitrile, 2,2',2'',2'''-(1,2-ethanediyldinitrilo)tetrakis-
5810–88–8 Phosphorodithioic acid, O,O-bis(2-ethylhexyl) ester
5858–82–2 2-Naphthalenecarboxylic acid, 4-[(4-chloro-5-methyl-2-sulfophenyl)azo]-3-hydroxy-, disodium salt
5873–54–1 Benzene, 1-isocyanato-2-[(4-isocyanatophenyl)methyl]-
5915–41–3 1,3,5-Triazine-2,4-diamine, 6-chloro-N-(1,1-dimethylethyl)-N'-ethyl-
5930–71–2 Thioperoxydiphosphoric acid, tetramethyl ester
5959–89–7 D-Glucitol, 1,4-anhydro-, 6-dodecanoate
5970–61–6 Zincate(4-), bis[carbonato(2-)]pentaoxopenta-, tetrahydrogen
5989–27–5 Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (R)-
6033–05–2 Morphinan-3,6-diol, 7,8-didehydro-4,5-epoxy-17-methyl-, (5.alpha.,6.alpha.)-, (Z)-9-octadecenoate (salt)
6104–30–9 Urea, N,N''-(2-methylpropylidene)bis-
6106–46–3 Benzeneacetic acid, .alpha.-(hydroxymethyl)-, 9-methyl-3-oxa-9-azatricyclo[3.3.1.02,4]non-7-yl ester, [7(S)-(1.alpha.,2.beta.,4.beta.,5.alpha.,7.beta.)]-, compd. with methyl nitrate (1:1)
6106–61–6 Benzeneacetic acid, .alpha.-(hydroxymethyl)-, 9-methyl-3-oxa-9-azatricyclo[3.3.1.02,4]non-7-yl ester, N-oxide, hydrobromide, [7(S)-1.alpha.,2.beta.,4.beta.,5.alpha.,7.beta.)]-
6140–74–5 2-Propenoic acid, 2-methyl-, pentadecyl ester
6144–04–3 Benzene, (1-methylethenyl)-, dimer
6158–45–8 Naphthalene, 1-(1-methylethyl)-
6219–66–5 1,2-Anthracenedicarboxylic acid, 7-acetyl-6-ethyl-9,10-dihydro-3,5,8-trihydroxy-9,10-dioxo-
6250–23–3 Phenol, 4-[[4-(phenylazo)phenyl]azo]-
6283–25–6 Benzenamine, 2-chloro-5-nitro-
6300–07–8 Benzenesulfonic acid, 3-[(4-amino-3-methoxyphenyl)azo]-, monosodium salt
6343–88–0 Ammonium, (oxydiethylene)bis[trimethyl-, dichloride
6358–31–2 Butanamide, 2-[(2-methoxy-4-nitrophenyl)azo]-N-(2-methoxyphenyl)-3-oxo-
6358–85–6 Butanamide, 2,2'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[3-oxo-N-phenyl-
6368–72–5 2-Naphthalenamine, N-ethyl-1-[[4-(phenylazo)phenyl]azo]-
6369–59–1 1,4-Benzenediamine, 2-methyl-, sulfate
6386–38–5 Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, methyl ester
6416–57–5 1,3-Benzenediamine, 4-(1-naphthalenylazo)-
6422–86–2 1,4-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester
6422–99–7 Decanedioic acid, compd. with 1,6-hexanediamine (1:1)
6423–43–4 1,2-Propanediol, dinitrate
6531–38–0 1,4-Piperazinediethanamine
6651–25–8 Aluminum, tridocosyl-
6651–26–9 Aluminum, tritetracosyl-
6683–19–8 Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis[[3-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]methyl]-1,3-propanediyl ester
6693–29–4 Cyclohexanamine, 4,4'-methylenebis-, [trans(trans)]-
6693–30–7 Cyclohexanamine, 4,4'-methylenebis-, [trans(cis)]-
6693–31–8 Cyclohexanamine, 4,4'-methylenebis-, [cis(cis)]-
6742–54–7 Benzene, undecyl-
6834–92–0 Silicic acid, disodium salt
6842–15–5 1-Propene, tetramer
6846–50–0 Propanoic acid, 2-methyl-, 2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl ester
6863–58–7 Butane, 2,2'-oxybis-
6865–97–0 Butane, 2-chloro-3-nitroso-, dimer
6876–13–7 Bicyclo[3.1.1]heptane, 2,6,6-trimethyl-, (1.alpha.,2.beta.,5.alpha.)-
6973–13–3 Benzenesulfonic acid, 5-chloro-4-methyl-2-nitro-
7173–62–8 1,3-Propanediamine, N-9-octadecenyl-, (Z)-
7320–34–5 Diphosphoric acid, tetrapotassium salt
7320–37–8 Oxirane, tetradecyl-
7327–60–8 Acetonitrile, 2,2',2''-nitrilotris-
7334–33–0 Diazene, bis(2-chlorophenyl)-
7336–20–1 Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-amino-, disodium salt
7381–01–3 Dodecanoic acid, 2-sulfoethyl ester, sodium salt
7398–69–8 2-Propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride
7408–18–6 Butanedioic acid, 2,2'-oxybis-
7428–48–0 Octadecanoic acid, lead salt
7440–36–0 Antimony
7446–14–2 Sulfuric acid, lead (2+) salt (1:1)
7446–26–6 Diphosphoric acid, zinc salt (1:2)
7446–81–3 2-Propenoic acid, sodium salt
7447–39–4 Copper chloride
7487–94–7 Mercury chloride
7534–94–3 2-Propenoic acid, 2-methyl-, 1,7,7-trimethylbicyclo[2.2.1]hept-2-yl ester, exo-
7550–45–0 Titanium chloride, (T–4)-
7553–56–2 Iodine
7601–89–0 Perchloric acid, sodium salt
7620–77–1 Octadecanoic acid, 12-hydroxy-, monolithium salt
7631–90–5 Sulfurous acid, monosodium salt
7632–00–0 Nitrous acid, sodium salt
7632–04–4 Perboric acid, sodium salt
7637–07–2 Borane, trifluoro-
7646–78–8 Stannane, tetrachloro-
7681–11–0 Potassium iodide
7681–49–4 Sodium fluoride
7681–57–4 Disulfurous acid, disodium salt
7693–13–2 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, calcium salt
7695–91–2 2H-1-Benzopyran-6-ol, 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8, 12-trimethyltridecyl)-, acetate
7699–41–4 Silicic acid
7699–43–6 Zirconium, dichlorooxo-
7705–07–9 Titanium chloride
7718–54–9 Nickel chloride
7719–09–7 Thionyl chloride
7722–86–3 Peroxymonosulfuric acid
7722–88–5 Diphosphoric acid, tetrasodium salt
7727–21–1 Peroxydisulfuric acid, dipotassium salt
7727–54–0 Peroxydisulfuric acid, diammonium salt
7757–83–7 Sulfurous acid, disodium salt
7757–88–2 Sulfurous acid, magnesium salt (1:1)
7758–11–4 Phosphoric acid, dipotassium salt
7758–16–9 Diphosphoric acid, disodium salt
7758–19–2 Chlorous acid, sodium salt
7758–29–4 Triphosphoric acid, pentasodium salt
7758–89–6 Copper chloride
7758–94–3 Iron chloride
7758–97–6 Chromic acid, lead(2+) salt (1:1)
7760–50–1 Magnesium, tetrakis[carbonato(2−)]dihydroxypenta-
7772–99–8 Tin chloride
7773–06–6 Sulfamic acid, monoammonium salt
7775–14–6 Dithionous acid, disodium salt
7775–27–1 Peroxydisulfuric acid, disodium salt
7778–50–9 Chromic acid, dipotassium salt
7778–53–2 Phosphoric acid, tripotassium salt
7778–54–3 Hypochlorous acid, calcium salt

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7778-66-7 Hypochlorous acid, potassium salt
7778-77-0 Phosphoric acid, monopotassium salt
7779-88-6 Nitric acid, zinc salt
7779-90-0 Phosphoric acid, zinc salt (2:3)
7782-41-4 Fluorine
7782-77-6 Nitrous acid
7782-78-7 Nitrosyl sulfate
7782-79-8 Hydrazoic acid
7782-92-5 Sodium amide
7782-99-2 Sulfurous acid
7783-07-5 Hydrogen selenide
7783-18-8 Thiosulfuric acid, diammonium salt
7783-28-0 Phosphoric acid, diammonium salt
7783-40-6 Magnesium fluoride
7784-21-6 Aluminum hydride
7784-42-1 Arsine
7784-46-5 Arsenenous acid, sodium salt
7785-21-9 Phosphoric acid, ammonium magnesium salt (1:1:1)
7785-23-1 Silver bromide
7785-84-4 Metaphosphoric acid, trisodium salt
7785-88-8 Phosphoric acid, aluminum sodium salt
7789-00-6 Chromic acid, dipotassium salt
7789-06-2 Chromic acid, strontium salt (1:1)
7789-21-1 Fluorosulfuric acid
7789-23-3 Potassium fluoride
7789-41-5 Calcium bromide
7790-76-3 Diphosphoric acid, calcium salt (1:2)
7790-91-2 Chlorine fluoride
7790-92-3 Hypochlorous acid
7790-94-5 Chlorosulfuric acid
7790-98-9 Perchloric acid, ammonium salt
7791-21-1 Chlorine oxide
7791-25-5 Sulfuryl chloride
7795-95-1 1-Octanesulfonyl chloride
7803-51-2 Phosphine
7803-63-6 Sulfuric acid, monoammonium salt
8005-02-5 C.I. Solvent Black 7
8007-18-9 C.I. Pigment Yellow 53
8048-07-5 C.I. Pigment Yellow 35
10022-31-8 Nitric acid, barium salt
10025-78-2 Silane, trichloro-
10025-91-9 Stibine, trichloro-
10025-99-7 Platinate(2-), tetrachloro-, dipotassium, (SP-4-1)-
10026-04-7 Silane, tetrachloro-
10026-11-6 Zirconium chloride
10026-13-8 Phosphorane, pentachloro-
10028-22-5 Sulfuric acid, iron (3+) salt (3:2)
10031-26-2 Iron bromide
10034-77-2 Silicic acid, calcium salt (1:2)
10039-54-0 Hydroxylamine, sulfate (2:1)
10042-76-9 Nitric acid, strontium salt
10043-91-1 Phosphorodiamidic acid
10045-86-0 Phosphoric acid, iron (3+) salt (1:1)
10049-04-4 Chlorine oxide
10049-07-7 Rhodium chloride
10099-74-8 Nitric acid, lead(2+) salt
10099-76-0 Silicic acid, lead(2+) salt (1:1)
10101-39-0 Silicic acid, calcium salt (1:1)
10101-52-7 Silicic acid, zirconium(4+) salt (1:1)
10101-53-8 Sulfuric acid, chromium(3+) salt (3:2)
10103-43-2 Thiosulfuric acid, monoammonium salt
10117-38-1 Sulfurous acid, dipotassium salt
10119-31-0 Zirconium chloride hydroxide
10124-36-4 Sulfuric acid, cadmium salt (1:1)
10124-43-3 Sulfuric acid, cobalt(2+) salt (1:1)
10124-49-9 Sulfuric acid, iron salt
10124-56-8 Metaphosphoric acid, hexasodium salt
10141-05-6 Nitric acid, cobalt(2+) salt
10143-22-3 Carbamic acid, bis(hydroxymethyl)-, 2-methoxyethyl ester
10192-30-0 Sulfurous acid, monoammonium salt
10196-04-0 Sulfurous acid, diammonium salt
10213-78-2 Ethanol, 2,2'-(octadecylimino)bis-
10257-55-3 Sulfurous acid, calcium salt (1:1)
10265-69-7 Glycine, N-phenyl-, monosodium salt
10278-71-4 Methanimidamide, N,N-dimethyl-N'-(2-methylphenyl)-
10294-56-1 Phosphorous acid
10294-64-1 Manganic acid, dipotassium salt
10302-15-5 Aziridine, 1-(phenylsulfonyl)-
10305-79-0 Diphosphoric acid, aluminum sodium salt
10343-61-0 Sulfuric acid, titanium(3+) salt (3:2)
10361-37-2 Barium chloride
10377-48-7 Sulfuric acid, dilithium salt
10377-60-3 Nitric acid, magnesium salt
10380-08-2 Triphosphoric acid
10436-39-2 1-Propene, 1,1,2,3-tetrachloro-
10533-67-2 Acetaldehyde, (methylthio)-, oxime
10545-99-0 Sulfur chloride
10588-01-9 Chromic acid, disodium salt
10605-21-7 Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester
11098-84-3 Molybdic acid, ammonium salt
11099-03-9 C.I. Solvent Black 5
11099-07-3 Octadecanoic acid, ester with 1,2,3-propanetriol
11103-86-9 Chromate(1-), hydorxyoctaoxodizincatedi-, potassium
11104-61-3 Cobalt oxide
11113-70-5 Silicic acid, chromium lead salt
11118-57-3 Chromium oxide
11120-22-2 Silicic acid, lead salt
11120-25-5 Tungstic acid, decaammonium salt
11138-11-7 Barium iron oxide
12003-13-3 Aluminum titanium chloride
12004-14-7 Aluminate(12-), hexaoxotris[sulfato(2-)]di-, calcium (1:6)
12004-78-3 Aluminum, compd. with titanium (3:1)
12004-83-0 Aluminum, compd. with zirconium (3:1)
12008-41-2 Boric acid, disodium salt
12011-77-7 Aluminate(1-), [carbonato(2-)-O]dihydroxy-, sodium
12013-15-9 Copper hydroxide sulfate
12015-73-5 Calcium fluoride phosphate
12018-01-8 Chromium oxide
12018-10-9 Chromium copper oxide
12023-91-5 Ferrate, strontium (1:1)
12027-67-7 Molybdic acid, hexaammonium salt
12027-83-7 Zirconate(2-), [orthosilicato(4-)-O]oxo-, disodium
12030-97-6 Titanate, dipotassium
12034-30-9 Plumbate, disodium
12035-72-2 Nickel sulfide
12036-22-5 Tungsten oxide
12040-43-6 Silicic acid, aluminum magnesium sodium salt
12042-68-1 Aluminate, calcium (2:1)
12042-91-0 Aluminum chloride hydroxide
12047-27-7 Titanate (Ti032-) barium (1:1)
12053-26-8 Chromate, magnesium (2:1)
12054-72-7 Tin hydroxide
12063-66-1 Stannate, disodium
12058-19-3 Iron zinc oxide
12065-90-6 Lead oxide sulfate
12068-03-0 Benzenesulfonic acid, methyl-, sodium salt
12068-40-5 Aluminosilicic acid, lithium salt
12069-69-1 Copper, [carbonato(2-)]dihydroxydi-
12070-12-1 Tungsten carbide
12075-68-2 Aluminum, trichlorotriethyldi-
12079-65-1 Manganese, tricarbonyl(.eta.5-2,4-cyclopentadien-1-yl)-
12124-97-9 Ammonium bromide
12135-76-1 Ammonium sulfide
12142-41-5 Manganate, tripotassium
12161-82-9 Bertrandite
12168-85-3 Silicic acid, calcium salt (1:3)
12200-88-3 Vanadic acid, hexasodium salt
12214-12-9 Cadmium selenide sulfide
12252-33-4 Aluminosilicic acid, calcium salt (1:1)
12259-92-6 Ammonium sulfide
12262-23-6 C.I. Leuco Sulphur Black 10
12336-95-7 Chromium hydroxide sulfate
12384-38-2 Titanate, disodium
12542-85-7 Aluminum, trichlorotrimethyldi-
12593-60-1 Ammonium phosphate sulfate
12607-70-4 Nickel, [carbonato(2-)]tetrahydorxytri-
12608-26-3 Tungsten oxide
12650-28-1 Silicic acid, barium salt
12656-85-8 C.I. Pigment Red 104
12713-24-5 Zirconium carbide nitride
12736-96-8 Silicic acid, aluminum potassium sodium salt
12765-06-9 Silicic acid, calcium magnesium salt
12789-64-9 Iron titanium oxide
13005-36-2 Benzeneacetic acid, potassium salt
13007-85-7 D-glycero-D-gulo-Heptonic acid, monosodium salt
13042-02-9 2-Hexenedinitrile
13048-33-4 2-Propenoic acid, 1,6-hexanediyl ester
13138-45-9 Nitric acid, nickel(2+) salt
13150-00-0 Ethanol, 2-[2-[2-(dodecyloxy)ethoxy]ethoxy]-, hydorgen sulfate, sodium salt
13188-60-8 Dodecanedioic acid, compd. with 1,6-hexanediamine (1:1)
13189-00-9 2-Propenoic acid, 2-methyl-, zinc salt
13236-02-7 Oxirane, 2,2',2''-[1,2,3-propanetriyltris(oxymethylene)]tris-
13253-44-6 2,4-Imidazolidinedione, 5-[2-(methylthio)ethyl]-
13308-51-5 Boron phosphate
13327-32-7 Beryllium hydroxide
13360-63-9 1-Butanamine, N-ethyl-
13393-93-6 1-Phenanthrenemethanol, tetradecahydro-1,4a-dimethyl-7-(1-methylethyl)-
13410-01-0 Selenic acid, disodium salt
13414-54-5 Benzene, 1-[(2-methyl-2-propenyl)oxy]-2-nitro-
13414-55-6 Benzofuran, 2,3-dihydro-2,2-dimethyl-7-nitro-
13414-58-9 Phenol, 2-(2-methylallyl)-6-nitro-

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13419–59–5 Butanedioic acid, sulfo-, trisodium salt
13446–48–5 Nitrous acid, ammonium salt
13463–39–3 Nickel carbonyl, (T–4)-
13463–40–6 Iron carbonyl, (TB-5-11)-
13472–30–5 Silicic acid, tetrasodium salt
13472–45–2 Tungstic acid, disodium salt
13510–49–1 Sulfuric acid, beryllium salt (1:1)
13510–89–9 Antimonic acid, lead(2+) salt (2:3)
13556–84–8 Diazene, bis(2-chlorophenyl)-, 1-oxide
13560–89–9 1,4:7,10-Dimethanodibenzo[a,e]cyclooctene, 1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-
13561–08–5 Oxirane, 2,2'-(oxiranylmethoxy)-1,3-phenylene]bis(methylene)]bis-
13586–82–8 Hexanoic acid, 2-ethyl-, cobalt salt
13598–36–2 Phosphonic acid
13598–37–3 Phosphoric acid, zinc salt (2:1)
13601–19–9 Ferrate(4-), hexakis (cyano-C)-, tetrasodium, (OC-6-11)-
13631–64–6 4-Thiazolecarboxamidine, N-phenyl-, hydrochloride
13654–09–6 1,1'-Biphenyl, 2,2',3,3',4,4',5,5', 6,6',-decabromo-
13674–84–5 2-Propanol, 1-chloro-, phosphate (3:1)
13674–87–8 2-Propanol, 1,3-dichloro-, phosphate (3:1)
13693–11–3 Sulfuric acid, titanium(4+) salt (2:1)
13701–59–2 Boric acid, barium salt
13718–26–8 Vanadic acid, sodium salt
13746–66–2 Ferrate(3-), hexakis(cyano-C)-, tripotassium, (OC-6-11)-
13749–94–5 Ethanimidothioic acid, N-hydroxy-, methyl ester
13769–43–2 Vanadic acid, potassium salt
13770–89–3 Sulfamic acid, nickel(2+) salt (2:1)
13774–25–9 Sulfurous acid, magnesium salt (2:1)
13776–84–6 Thioantimonic acid, trisodium salt
13780–03–5 Sulfurous acid, calcium salt (2:1)
13780–11–5 Nitric acid, ammonium calcium salt (3:1:1)
13780–17–1 Phosphoric acid, calcium sodium salt (1:1:1)
13814–87–4 Sulfuric acid, ammonium zinc salt (2:2:1)
13825–74–6 Titanium, oxo[sulfato(2-)-0,0']-
13840–33–0 Hypochlorous acid, lithium salt
13845–36–8 Triphosphoric acid, pentapotassium salt
13847–17–1 Phosphoric acid, cadmium salt
13863–31–5 Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt
13886–99–2 9-Phosphabicyclo[4.2.1]nonane, 9-eicosyl-
13887–00–8 9-Phosphabicyclo[3.3.1]nonane, 9-eicosyl-
13889–92–4 Carbonochloridothioic acid, S-propyl ester
13918–37–1 Fayalite
13927–77–0 Nickel, bis(dibutylcarbamodithioato-S,S')-, (SP-4-1)-
13952–84–6 2-Butanamine

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14025–21–9 Zincate(2-), [[N,N'-1,2-ethanediylbis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']-, disodium, (OC-6-21)-
14031–86–8 1-Heptene, 2,4,4,6,6-pentamethyl-
14075–53–7 Borate(1-), tetrafluoro-, potassium
14143–60–3 2-Pyridinecarbonitrile, 4-amino-3,5,6-trichloro-
14239–68–0 Cadmium, bis(diethylcarbamodithioato-S,S')-, (T-4)-
14287–04–8 Butanoic acid, ammonium salt
14324–55–1 Zinc, bis(diethylcarbamodithioato-S,S')-, (T-4)-
14426–21–2 Ethanol, 2,2'-iminobis-, hydrochloride
14481–60–8 Butanoic acid, 4-(octadecylamino)-4-oxo-2-sulfo-, disodium salt
14484–69–6 Aluminate(1-), tetrafluoro-, potassium, (T-4)-
14542–23–5 Fluorite
14624–13–6 1-Octanol, aluminum salt
14624–15–8 1-Dodecanol, aluminum salt
14639–97–5 Zincate(2-), tetrachloro-, diammonium, (T-4)-
14806–72–5 Ethanol, 2,2',2''-nitrilotris-, acetate (salt)
14995–38–1 Benzenesulfonic acid, 4-ethyl-, sodium salt
15075–85–1 9-octadecene-1-sulfonic acid, sodium salt, (Z)-
15214–89–8 1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-
15233–47–3 1,4-Benzenediamine, N-(1-methylheptyl)-N'-phenyl-
15245–12–2 Nitric acid, ammonium calcium salt
15547–17–8 9,10-Anthracenedione, 6-ethyl-1,2,3,4-tetrahydro-
15663–27–1 Platinum, diamminedichloro-, (SP-4-2)-
15699–18–0 Sulfuric acid, ammonium nickel (2+) salt (2:2:1)
15883–59–7 Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-nitro-, sodium salt
16066–35–6 Benzenesulfonic acid, 4-(1-methylethyl)-
16090–02–1 Benzenesulfonic acid, 2,2'-(1,2-ethenediyl-)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt
16110–89–7 Benzenesulfonic acid, 4-][(4,6-dichloro-1,3,5-triazin-2-yl)amino]-
16219–75–3 Bicyclo[2.2.1]hept-2-ene, 5-ethylidene-
16349–83–0 Sulfuric acid, potassium sodium salt (2:3:1)
16470–24–9 Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-[(4-sulfophenyl)amino]]-1,3,5-triazin-2-yl]amino]-, tetrasodium salt
16529–56–9 3-Butenenitrile, 2-methyl-
16715–83–6 2-Propenoic acid, 2-methyl-, 2-[bis(1-methylethyl)amino]ethyl ester
16731–55–8 Disulfurous acid, dipotassium salt
16812–54–7 Nickel sulfide
16871–90–2 Silicate(2-), hexafluoro-, dipotassium
16872–11–0 Borate(1-), tetrafluoro-, hydrogen
16883–83–3 Phthalic acid, benzyl 3-hydroxy-1-isopropyl-2,2-dimethylpropyl ester isobutyrate

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16893–85–9 Silicate(2-), hexafluoro-, disodium
16919–19–0 Silicate(2-), hexafluoro-, diammonium
16919–27–0 Titanate(2-), hexafluoro-, dipotassium, (OC-6-11)-
16924–00–8 Tantalate(2-), heptafluoro-, dispotassium
16925–39–6 Silicate(2-), hexafluoro-, calcium (1:1)
16940–66–2 Borate(1-), tetrahydro-, sodium
16958–92–2 Hexanedioic acid, ditridecyl ester
16961–83–4 Silicate(2-), hexafluoro-, dihydrogen
17026–81–2 Acetamide, N-(3-amino-4-ethoxyphenyl)-
17256–39–2 2-Propanamine, 1-chloro-N,N-dimethyl-, hydrochloride
17321–47–0 Phosphoramidothioic acid, O,O-dimethyl ester
17372–87–1 Spiro[isobenzofuran-1(3H),9'-[9H]xanthen]-3-one, 2',4',5',7'-tetrabromo-3',6'-dihydroxy-, disodium salt
17611–82–4 Butanedinitrile, ethyl-
17702–41–9 Decaborane(14)
17756–73–9 Neodecanoic acid, vinyl ester
17773–41–0 Butanenitrile, 2-hydroxy-4-(methylthio)-
17804–35–2 Carbamic acid, [1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl]- methyl ester
17824–83–8 2-Pyridinecarbonitrile, 3,4,5,6-tetrachloro-
17902–23–7 2,4(1H,3H)-Pyrimidinedione, 5-fluoro-1-(tetrahydro-2-furanyl)-
17977–09–2 2-Propenoic acid, 2,2-dinitropropyl ester
18282–10–5 Tin oxide
18777–54–3 Benzenesulfonic acid, 4-(1-ethyldecyl)-
18868–43–4 Molybdenum oxide
19010–66–3 Lead, bis(dimethylcarbamodithioato-S,S')-, (T-4)-
19141–82–3 1-Hexadecanol, aluminum salt
19277–91–9 Phenol, 4-ethyl-, sodium salt
19355–69–2 Propanenitrile, 2-amino-2-methyl-
19525–59–8 Glycine, N-phenyl-, monopotassium salt
19660–16–3 2-Propenoic acid, 2,3-dibromopropyl ester
19780–25–7 2-Butenal, 2-ethyl-
20068–02–4 2-Butenenitrile, 2-methyl-, (Z)-
20109–39–1 1-Propanol, 2-[2-(benzoyloxy)propoxy]-, benzoate
20132–74–5 Acetoacetamide, 2,2-dichloro-N-methyl-
20227–53–6 Phosphorous acid, 2-(1,1-dimethylethyl)-4-[1-[3-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-methylethyl]phenyl bis(4-nonylphenyl) ester
20306–75–6 Butanamide, N-methyl-3-oxo-
20325–40–0 [1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethoxy-, dihydrochloride
20338–08–3 Titanium hydroxide, (T-4)-
20427–58–1 Zinc hydroxide
20469–71–0 Hydrazinecarbodithioic acid, compd. with hydrazine (1:1)
20633–11–8 Nitric acid, hexyl ester
20748–72–5 Ethanol, 2-amino-, nitrate (salt)
21041–93–0 Cobalt hydroxide
21056–98–4 Phosphonic acid, calcium salt (1:1)

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21083–47–6 4-Imidazolidinone, 5,5-diphenyl-2-thioxo-
21260–46–8 Bismuth, tris(dimethylcarbamodithioato-S,S')-, (OC-6-11)-
21615–29–2 Acetamide, N-[3-[bis(2-hydroxyethyl)amino]-4-ethoxyphenyl]-
21645–51–2 Aluminum hydroxide
21729–98–6 Carbamic acid, cyano-, methyl ester
22113–87–7 Methanamine, nitrate
22132–71–4 Phosphonic acid, diammonium salt
22205–45–4 Copper sulfide
22228–82–6 Propanoic acid, 2-methyl-, ammonium salt
22473–78–5 Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, tetraammonium salt
22527–63–5 Isobutyric acid, 3-hydroxy-2,2,4-trimethylpentyl ester benzoate
22591–21–5 2-Butanone, 1,1-dichloro-3,3-dimethyl-
22708–90–3 Silicic acid, aluminum salt (1:2)
23184–71–6 Ethanol, 2,2',2''-nitrilotri-, compd. with phenol (1:1)
23275–26–5 1-Hexanol, aluminum salt
23307–05–3 Methanamine, N-methyl-, sulfate (1:1)
23386–52–9 Butanedioic acid, sulfo-, 1,4-dicyclohexyl ester, sodium salt
23436–19–3 2-Propanol, 1-(2-methylpropoxy)-
23606–32–8 Silver(1+), diammine-, nitrate
23746–34–1 Carbamodithioic acid, bis(2-hydroxyethyl)-, monopotassium salt
23778–52–1 2,5,8,11,14-Pentaoxahexadecan-16-ol
24310–41–6 1,2,3-Benzotriazin-4(3H)-one, 3-(chloromethyl)-
24442–57–7 Ethanol, 1,2-dibromo-, acetate
24530–53–8 1-Naphthalenesulfonic acid, 2-[(2-hydroxy-1-naphthalenyl)azo]-, barium salt (1:1)
24623–77–6 Aluminum hydroxide oxide
24948–81–0 2-Propanamine, N-chloro-N-(1-methylethyl)-
25013–15–4 Benzene, ethenylmethyl-
25057–89–0 1H-2,1,3-Benzothiadiazin-4(3H)-one, 3-(1-methylethyl)-, 2,2-dioxide
25059–14–7 1-Naphthalenesulfonic acid, 2-hydroxy-, monosodium salt
25085–99–8 Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer
25103–09–7 Acetic acid, mercapto-, isooctyl ester
25103–54–2 Isodecanol, hydrogen phosphorodithioate, zinc salt
25134–21–8 4,7-Methanoisobenzofuran-1,3-dione, 3a,4,7,7a-tetrahydromethyl-
25154–52–3 Phenol, nonyl-
25155–23–1 Phenol, dimethyl-, phosphate (3:1)
25155–30–0 Benzenesulfonic acid, dodecyl-, sodium salt
25167–67–3 Butene
25167–70–8 Pentene, 2,4,4-trimethyl-
25167–81–1 Phenol, dichloro-
25167–83–3 Phenol, tetrachloro-
25168–05–2 Benzene, chloromethyl-
25168–06–3 Phenol, (1-methylethyl)-
25168–24–5 Acetic acid, 2,2'-[(dibutylstannylene)bis(thio)]bis-, diisooctyl ester

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25264–93–1 Hexene
25265–71–8 Propanol, oxybis-
25265–77–4 Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol
25306–75–6 Carbonodithioic acid, O-(2-methylpropyl) ester, sodium salt
25321–09–9 Benzene, bis(1-methylethyl)-
25321–14–6 Benzene, methyldinitro-
25321–41–9 Benzenesulfonic acid, dimethyl-
25322–17–2 Naphthalenesulfonic acid, dinonyl-
25322–20–7 Ethane, tetrachloro-
25339–56–4 Heptene
25340–17–4 Benzene, diethyl-
25360–10–5 tert-Nonanethiol
25377–72–4 Pentene
25417–20–3 Naphthalenesulfonic acid, dibutyl-, sodium salt
25496–01–9 Benzenesulfonic acid, tridecyl-
25496–72–4 9-Octadecenoic acid (Z)-, monoester with 1,2,3-propanetriol
25498–49–1 Propanol, [2-[2-methoxymethylethoxy)methylethoxy]-
25550–14–5 Benzene, ethylmethyl-
25550–98–5 Phosphorous acid, diisodecyl phenyl ester
25551–13–7 Benzene, trimethyl-
25567–10–6 Benzoic acid, methyl-
25567–40–2 Phenol, (1,1-dimethylethyl)-4-methyl-
25584–83–2 2-Propenoic acid, monoester with 1,2-propanediol
25586–42–9 Phosphorous acid, tris(methylphenyl) ester
25619–56–1 Naphthalenesulfonic acid, dinonyl-, barium salt
25637–99–4 Cyclododecane, hexabromo-
25638–17–9 Naphthalenesulfonic acid, butyl-, sodium salt
25640–28–2 Phosphoric acid, magnesium sodium salt
25640–78–2 1,1'-Biphenyl, (1-methylethyl)-
25714–71–0 Butanal, 4-hydroxy-
25724–58–7 1,2-Benzenedicarboxylic acid, decyl hexyl ester
25834–80–4 Benzenamine, 2,4-bis[(4-aminophenyl)methyl]-
25899–50–7 2-Pentenenitrile, (Z)-
25973–55–1 Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)-
26248–24–8 Benzenesulfonic acid, tridecyl-, sodium salt
26264–05–1 Benzenesulfonic acid, dodecyl-, compd. with 2-propanamine (1:1)
26264–06–2 Benzenesulfonic acid, dodecyl-, calcium salt
26266–57–9 Sorbitan, monohexadecanoate
26266–68–2 Hexenal, 2-ethyl-
26303–54–8 1-Decanol, aluminum salt
26377–29–7 Phosphorodithioic acid, O,O-dimethyl ester, sodium salt
26389–60–6 Cyclopropanemethanamine, N-propyl-
26401–27–4 Phosphorous acid, isooctyl diphenyl ester
26444–49–5 Phosphoric acid, methylphenyl diphenyl ester
26447–14–3 Oxirane, [(methylphenoxy)methyl]-
26447–40–5 Benzene, 1,1'-methylenebis[isocyanato-
26471–62–5 Benzene, 1,3-diisocyanatomethyl-
26472–00–4 4,7-Methano-1H-indene, 3a,4,7,7a-tetrahydrodimethyl-

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26523–78–4 Phenol, nonyl-, phosphite (3:1)
26544–23–0 Phosphorous acid, isodecyl diphenyl ester
26545–73–3 Propanol, dichloro-
26636–01–1 Acetic acid, 2,2'-[(dimethylstannylene)bis(thio)]bis-, diisooctyl ester
26760–64–5 Butene, methyl-
26761–40–0 1,2-Benzenedicarboxylic acid, diisodecyl ester
26761–45–5 Neodecanoic acid, 2,3-epoxypropyl ester
26761–50–2 9-Octadecenoic acid (Z)-, isooctyl ester
26762–92–5 Cyclohexane, 1-methyl-4-(1-methylethyl)-, monohydroperoxy deriv.
26896–20–8 Neodecanoic acid
26998–97–0 Phenol, thiobis[dodecyl-, calcium salt (1:1)
26999–29–1 Phosphorodithioic acid, O,O-diisooctyl ester
27070–59–3 Cyclododecatriene
27157–94–4 Phosphorodithioic acid, O,O-bis(methylphenyl) ester
27159–90–6 Methanesulfonamide, N-[2-[ethyl(3-methylphenyl)amino]ethyl]-, sodium salt
27176–87–0 Benzenesulfonic acid, dodecyl-
27193–28–8 Phenol, (1,1,3,3-tetramethylbutyl)-
27193–86–8 Phenol, dodecyl-
27322–34–5 Benzene, tris(1-methylethyl)-
27323–41–7 Benzenesulfonic acid, dodecyl-, compd. with 2,2',2''-nitrilotris[ethanol] (1:1)
27457–28–9 Benzenesulfonic acid, ethenyl-, sodium salt
27515–66–8 Phenol, bis(2-methylpropyl)-
27546–07–2 Molybdic acid, diammonium salt
27576–86–9 Phenol, (1-methyl-1-phenylethyl)-
27636–75–5 Benzenesulfonic acid, undecyl-, sodium salt
27813–02–1 2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol
27858–07–7 1,1'-Biphenyl, ar,ar,ar,ar,ar',ar',ar',ar'-octabromo-
27960–69–6 Sulfuric acid, titanium(4+) salt
28099–67–4 Ethanol, 2-methoxy-, calcium salt
28324–52–9 Hydroperoxide, 2,6,6-trimethylbicyclo[3.1.1]heptyl
28348–53–0 Benzenesulfonic acid, (1-methylethyl)-, sodium salt
28473–21–4 Nonanol
28519–02–0 Benzenesulfonic acid, dodecyl(sulfophenoxy)-, disodium salt
28629–66–5 Phosphorodithioic acid, O,O-diisooctyl ester, zinc salt
28631–44–9 Phosphorodithioic acid, O,O-diisodecyl ester
28652–72–4 1,1'-Biphenyl, methyl-
28680–45–7 Bicyclo[2.2.1]hept-2-ene, heptachloro-
28757–00–8 Naphthalenesulfonic acid, bis(1-methylethyl)-
28983–26–6 Phenol, 2-isononyl-4-methyl-
28987–17–9 Phenol, nonyl-, barium salt
29171–20–8 6-Octen-1-yn-3-ol, 3,7-dimethyl-
29194–31–8 2-Propenamide, 2-methyl-, sulfate
29385–43–1 1H-Benzotriazole, methyl-
29590–42–9 2-Propenoic acid, isooctyl ester
29761–21–5 Phosphoric acid, isodecyl diphenyl ester
29964–84–9 2-Propenoic acid, 2-methyl-, isodecyl ester

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30080–50–3 D-glycero-D-ido-Heptonic acid, monosodium salt
30304–41–7 Phenol, dodecyl-, hydrogen phosphorodithioate
30399–84–9 Isooctadecanoic acid
30526–22–8 Benzenesulfonic acid, methyl-, potassium salt
30574–97–1 2-Butenenitrile, 2-methyl-, (E)-
30638–10–9 Cuprate(4-), [29H,31H-phthalocyaninetetrasulfonato(6-)-N29,N30,N31,N32]-, tetrapotassium
30951–95–2 3-Hexene, 3,4-dimethyl-
30995–65–4 Benzenesulfonic acid, ethyl-, sodium salt
31045–95–1 Stannane, dibutylbis[[(isooctylthio)acetyl]oxy]-
31138–65–5 Glucoheptonic acid, monosodium salt
31148–95–5 1-Phenanthrenecarbonitrile, 1,2,3,4,4a,9,10,10a-octahydro-1,4a-dimethyl-7-(1-methylethyl)-, [1R-(1.alpha.,4a.beta.,10a.a1pha.)]-
31186–36–4 Imidodisulfuric acid, hydroxy-, disodium salt
31198–76–2 2-Cyclohexen-1-one, 2-methyl-5-(1-methylethenyl)-, oxime
31295–54–2 1,4-Piperazinediethanamine, N-(2-aminoethyl)-
31394–54–4 Isoheptane
31423–92–4 Butene, 1,4-dichloro-
31566–31–1 Octadecanoic acid, monoester with 1,2,3-propanetriol
32360–05–7 2-Propenoic acid, 2-methyl-, octadecyl ester
32534–81–9 Benzene, 1,1'-oxybis-, pentabromo deriv.
32536–52–0 Benzene, 1,1'-oxybis-, octabromo deriv.
32741–92–7 [1,1'-Biphenyl]-2,4',5-tricarboxylic acid, trimethyl ester
32762–51–9 Phenol, bromo-
33113–08–5 Carbonic acid, ammonium copper salt
33125–86–9 Phosphoric acid, 1,2-ethanediyl tetrakis(2-chloroethyl) ester
33509–43–2 1,2,4-Triazin-5(2H)-one, 4-amino-6-(1,1-dimethylethyl)-3,4-dihydro-3-thioxo-
33791–58–1 Acrylic acid, 3a,4,5,6,7,7a-hexahydro-4,7-methanoindenyl ester
34090–76–1 1,3-Isobenzofurandione, tetrahydro-5-methyl-
34408–25–8 Benzoic acid, 2,5-dichloro-3-nitro-, methyl ester
34590–94–8 Propanol, (2-methoxymethylethoxy)-
34689–46–8 Phenol, methyl-, sodium salt
35200–02–3 Carbonodithioic acid, S-methyl O-(1-methylethyl) ester
35884–66–3 Nickel, tetrakis[tris(methylphenyl) phosphite-P]-, (T-4)-
36445–71–3 Benzenesulfonic acid, decyl(sulfophenoxy)-, disodium salt
36452–21–8 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, disodium salt
36483–57–5 1-Propanol, 2,2-dimethyl-, tribromo deriv.
36653–82–4 1-Hexadecanol
36673–16–2 Titanium, bis[[2,2',2''-nitrilotris[ethanolato]](1−)-N,O]bis-(2-propanolato)-
36878–20–3 Benzenamine, ar-nonyl-N-(nonylphenyl)-
37224–61–6 Phenol, isooctyldinitro-
37247–91–9 Calcium magnesium oxide
37292–80–1 Silicic acid, calcium iron magnesium salt
37339–32–5 Methanone, (2-hydroxy-5-nonylphenyl)phenyl-, oxime
37439–34–2 2(1H)-Pyridinone, 3,5,6-trichloro-, sodium salt
37475–88–0 Benzenesulfonic acid, (1-methylethyl)-, ammonium salt
37726–18–4 Phosphoric acid, dilithium sodium salt
37764–25–3 Acetamide, 2,2-dichloro-N,N-di-2-propenyl-
37853–59–1 Benzene, 1,1'-[1,2-ethanediylbis(oxy)]bis[2,4,6-tribromo-
37941–69–8 Butanamide, 4-hydroxy-N-methyl-
38051–10–4 Phosphoric acid, 2,2-bis(chloromethyl)-1,3-propanediyl tetrakis(2-chloroethyl) ester
38185–08–7 Benzenesulfonic acid, 4-chloro-3,5-dinitro-, potassium salt
38640–62–9 Naphthalene, bis(1-methylethyl)-
38888–98–1 Benzene, (phenylethyl)-
39318–18–8 Tungsten oxide
39390–00–6 Lead chloride silicate
39445–23–3 Calcium magnesium hydroxide
39635–79–5 Phenol, 4,4'-sulfonylbis[2,6-dibromo-
39638–32–9 Propane, 2,2'-oxybis[2-chloro-
39761–68–7 2-Heptene, 2,4,4,6,6-pentamethyl-
39788–53–9 Sulfamic acid, hydroxy-, monoammonium salt
40137–60–8 Acetic acid, chloro-, 1-methyl-2-(2-methylpropoxy)ethyl ester
40188–83–8 Benzoic acid, 3,6-dichloro-2-nitro-, methyl ester
40630–63–5 1-Octanesulfonyl fluoride
40861–29–8 Carbonic acid, ammonium zinc salt (2:1:2)
42072–27–5 Phosphoramidothioic acid, acetyl-, 0,0-dimethyl ester
42452–55–1 Ethanol, 2-[[2,6-dinitro-4-(trifluoromethyl)phenyl]propylamino]-
45294–18–6 2-Propenoic acid, 2-methyl-, eicosyl ester
50770–19–9 Benzene, 1-methoxy-4-(propenyl)-
50854–94–9 Benzenesulfonic acid, undecyl-
50884–30–5 Phenol, 2,4-dichloro-, potassium salt
51142–87–1 Sodium titanium oxide
51274–00–1 C.I. Pigment Yellow 42
51282–49–6 Benzoic acid, 5-chloro-2-nitro-, methyl ester
51363–64–5 Phosphoric acid, diisodecyl phenyl ester
51404–69–4 Acetic acid, lead salt, basic
52166–72–0 Phenol, 2,5-dichloro-, sodium salt
52304–17–3 Carbamic acid, bis(hydroxymethyl)-, 2-methylpropyl ester
52663–57–7 Ethanol, 2-butoxy-, sodium salt
52871–18–8 Butanoic acid, 4-(octadecylamino)-4-oxosulfo-, disodium salt
53705–85–4 Phosphoramidothioic acid, acetyl-, 0-methyl ester, monoammonium salt
53980–88–4 2-Cyclohexene-1-octanoic acid, 5(or 6)-carboxy-4-hexyl-
54261–67–5 Phenol, dodecyl-, hydrogen phosphorodithioate, zinc salt
54322–31–5 Benzenesulfonic acid, 4-(2-bromoethyl)-
54771–30–1 Phosphorous acid, dinonylphenyl bis(nonylphenyl) ester
54849–38–6 Acetic acid, 2,2',2''-[(methylstannylidyne)tris(thio)]tris-, triisooctyl ester
55334–51–5 1,4-Benzenedicarboxylic acid, [4-(methoxycarbonyl)phenyl]methyl methyl ester
55465–40–2 Aluminosilicic acid, potassium sodium salt
55566–30–8 Phosphonium, tetrakis(hydroxymethyl)-, sulfate (2:1) (salt)
56802–99–4 Sodium hypchlorite phosphate
56803–37–3 Phosphoric acid, [1,1-dimethylethyl)phenyl diphenyl ester
56974–57–3 Propanoic acid, 3-hydroxy-2,2-dimethyl-, monosodium salt
57219–64–4 Zirconium carbonate hydroxide oxide
57352–34–8 Benzenesulfonic acid, ethyl-
57455–37–5 C.I. Pigment Blue 29
58085–73–7 Methanone, (2-hydroxy-5-nonylphenyl)phenyl-
58182–50–6 1,3-Isobenzofurandione, polymer with 1,2-ethanediol, 2,5-furandione, 2,2'-oxybis[ethanol] and 1,2-propanediol
58353–63–2 Benzene, dodecylnitro-
58398–71–3 Calcium magnesium hydroxide oxide
58654–67–4 2-Octanone, 5-methyl-
59118–78–4 9-Octadecenoic acid (Z)-, 2-mercaptoethyl ester
59808–78–5 Cyclopentane, tetrachloro-
60304–36–1 Aluminum potassium fluoride
61180–58–3 Sepiolite
61788–32–7 Terphenyl, hydrogenated
61788–33–8 Terphenyl, chlorinated
61931–82–6 1,4-Benzenediamine, N-(1,3-dimethylbutyl-N-phenyl-
62010–10–0 Zirconium oxide sulfate
62533–93–1 Phosphorus acid, pentadecasodium salt
62947–40–4 Imidodisulfuric acid, hydroxy-, trisodium salt
63175–99–5 Ethanol, 2-(octylphenoxy)-, hydrogen sulfate, sodium salt
63302–49–8 Phosphorochloridous acid, bis(4-nonylphenyl) ester
63302–54–5 2-Propanamine, 2-methyl-, sulfate (2:1)
63405–85–6 Benzenesulfonic acid, 3-[[3-methoxy-4-[(4-methoxyphenyl)azo]phenyl]azo]-, sodium salt
63450–73–7 Imidodisulfuric acid, methoxy-, disodium salt
63451–40–1 2,5-Cyclohexadien-1-one, 4-(phenylimino)-, oxime, sodium salt
63494–59–7 Ethanesulfonamide, 2-[ethyl(3-methyl-4-nitrosophenyl)amino]-N-methyl-
63512–64–1 Naphthalene, diisononyl-
64147–47–3 Aluminate(2-), difluoro[phosphato(3-)-0]-, sodium hydrogen
64147–48–4 Ferrate(2-), difluoro[phosphato(3-)-0]-, sodium hydrogen
64474–08–2 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-trichloro-, compd. with 1,3-dichloro-1,3,5-triazine-2,4,6(1H,3H,5H)-trione potassium salt (1:4)
64800–83–5 Benzene, ethyl (phenylethyl)-
65105–00–2 Carbamic acid, (3-isocyanatomethylphenyl)-, 1-methyl-1,3-propanediyl ester

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65185–91–3 Phosphoric acid, sodium salt (2:3)
65208–42–6 2,4(1H,3H)-Pyrimidinedione, 6-methyl-3-(1-methylpropyl)-, sodium salt
66028–01–1 Benzene, 1-[2-[2-(2-chloroethoxy)ethoxy]ethoxy]-4-octyl-
66108–37–0 Phosphoric acid, 2,2-bis(bromomethyl)-3-chloropropyl bis[2-chloro-1-(chloromethyl)ethyl] ester
66241–11–0 C.I. Leuco Sulphur Black 1
67124–09–8 2-Propanol, 1-(tert-dodecylthio)-
67711–86–8 Lead silicate sulfate
67755–97–9 Butanal, 2-hydroxy-3-methyl-
67801–54–1 9H-Fluorene-2,6-dicarboxylic acid, 9-oxo-, dimethyl ester
67845–26–5 4H-Pyran-4-one, tetrahydro-3,5-bis(hydroxymethyl)-
67859–51–2 Zincate(2-), [[N,N'-1,2-ethanediylbis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']-, diammonium, (OC-6-21-)-
67874–35–5 Isodecanediamine
67874–38–8 9,12-Octadecadienoic acid (Z,Z)-, isooctyl ester
67874–55–9 Imidodisulfuric acid, methoxy-, monosodium salt
67905–29–7 1-Tetracosanol, aluminum salt
67905–30–0 1-Docosanol, aluminum salt
67905–31–1 1-Eicosanol, aluminum salt
67923–88–0 9,10-Anthracenediol, ethyl-9,10-dihydro-
67953–32–6 Carbamic acid, (hydroxymethyl)-, 2-methylpropyl ester
67969–81–7 Propanoic acid, 2-chloro-, 1-methyl-2-(2-methylpropoxy)ethyl ester
67990–32–3 Phenol, 2,4,6-tribromo-, carbonate (2:1)
68052–49–3 1,6-Hexanediaminium, N,N,N',N'-tetrabutyl-N,N'-diethyl-, bis(ethyl sulfate)
68140–45–4 Ethanol, 2,2',2''-nitrilotris-, tris(dihydrogen phosphate) (ester)
68155–68–0 Benzensulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-chloro-6-[(4-sulfophenyl)amino]-1,3,5-triazin-2-yl]amino]-, dipotassium disodium salt
68171–29–9 Ethanol, 2, 2',2''-nitrilotris-, tris(dihydrogen phosphate)(ester), sodium salt
68186–31–2 1,2,4-Benzenetricarboxylic acid, 2-ethylhexyl ester
68201–84–3 9,12-Octadecadienoic acid, 12-sulfo-, (?,Z)-
68258–91–3 Cyclopentane, hexachloro-
68279–54–9 9,10-Anthracenediol, 6-ethyl-1,2,3,4-tetrahydro-
68298–46–4 7-Benzofuranamine, 2,3-dihydro-2,2-dimethyl-
68298–47–5 7-Benzofurandiazonium, 2,3-dihydro-2,2-dimethyl-, sulfate (2:1)
68310–32–7 Benzenedisulfonic acid, hydroxyisooctyl-
68310–49–6 1H-Azepine-1-carboxamide, N,N',N''-[(2,4,6-trioxo-1,3,5-triazine-1,3,5(2H,4H,6H)-triyl)tris(methyl-3,1-phenylene)]tris[hexahydro-2-oxo-
68366–16–5 Cyclohexanol, methyl(1-methylethyl)-, didehydro deriv.
68389–46–8 C.I. Sovlent Blue 3, leuco base
68400–29–3 Benzenesulfonic acid, 3-[[4-[(4-hydroxyphenyl]azo]-3-methoxyphenyl]azo]-, monosodium salt
68400–41–9 Benzenesulfonic acid, 3-[[4-[(4-hydroxyphenyl)azo]-3-methoxyphenyl]azo]-

CAS No., Chemical Name

68400–79–3 Thiodiphosphonic acid, bis[2,6,6-trimethylbicyclo[3.1.1.]hept-2-enyl)-, bis[2,6,6-trimethylbicyclo[3.1.1]hept-2-enyl) ester
68411–32–5 Benzenesulfonic acid, dodecyl-, branched
68411–80–3 1,3-Isobenzofurandione, oxidized
68411–81–4 2-Imidazolidinone, 4,5-dihydroxy-1,3-bis(hydroxymethyl)-, methylated
68412–04–4 1,6-Octadiene, 7-methyl-3-methylene-, acetylaled
68413–83–2 Carbamic acid, bis(hydroxymethyl)-, 2-(1-methylethoxy)ethylester
68460–03–7 Phosphoric acid, bis[2-chloro-1-(chloromethyl)ethyl] 2,3-dichloropropyl ester
68510–99–6 Vanadic acid, disodium salt
68516–02–9 Phosphorodithioic acid, 0,0-diester with phenol nonyl derivs.
68516–03–0 Phosphorodithioic acid, 0,0-diester with phenol nonyl derivs., zinc salts
68516–12–1 Quaterphenyl, hydrogenated
68516–71–2 2-Cyclohexen-1-ol, 3-methyl-6-(1-methylethyl)-, formate
68527–62–8 Phenol, 2,2'-methylenebis[4-(1,1,3,3-tetramethylbutyl)-, calcium salt
68540–40–9 Benzoic acid, 5-hexadecyl-2-hydroxy-, calcium salt (2:1)
68540–41–0 1-Naphthalenesulfonic acid, 2-amino-, monoammonium salt
68568–46–7 1,3,5-Triazine-2,4,6-triamine, tris(methoxymethyl)tris[(octadecyloxy) methyl]-
68568–63–8 Pentaric acid, calcium salt
68631–02–7 Benzene, 1,1'-(tetrachloroethylidene)bis[chloro-
68647–44–9 Imidazolium, 1-(carboxymethyl)-4,5-dihydro-1(or 3)-(2-hydroxyethyl)-2-undecyl-, hydroxide, monosodium salt
68879–99–2 Benzene, 1,1'-(dichloroethenylidene)bis[chloro-
68797–39–7 1H-Imidazolium, 1(or 3)-(carboxymethyl)-4,5-dihydro-1-(2-hydroxyethyl)-2-undecyl-, salt with .alpha.-sulfo-.omega.-(tridecyloxy)poly(oxy-1,2-ethanediyl), monosodium salt
68938–79–4 Benzoic acid, 3,6-dichloro-2-hydroxy-, postassium sodium salt
68938–80–7 Benzoic acid, 3,6-dichloro-2-hydroxy-, dipotassium salt
68938–81–8 Phenol, 2,5-dichloro-, potassium salt
68959–02–4 9-Octadecenoic acid, 9-sulfo-, monosodium salt
68974-78-7 Phenol, thiobis[(tetrapropenyl)-, magnesium salt
69011–11–6 Sodium carbonate sulfate

(b) [Reserved]

Appendix I—Preliminary Assessment Information Report Instructions for Filling Out the Form

Chemical and Respondent Identity

Chemical Identity—enter the CAS number and name listed in 40 CFR 712.18 for which the report is submitted. If the chemical identity is confidential, enter the category name as listed in 40 CFR 712.18 and attach the Chemical Substance Inventory Report Form C number used to submit the chemical substance to the EPA according to 40 CFR 710.

Company Name—enter the name and address of the reporting company. This should be the headquarters address.

Dun and Bradstreet Number—enter the Ultimate Dun and Bradstreet number for the company.

Number of Plant Sites—enter the number of plant sites whose manufacture/import of the chemical substance is reported on this form.

Form Parts A and B, General Instructions

All questions concern quantities manufactured or imported in the calendar year specified in section 712.18.

Importers should answer only applicable questions: 1 and 5–12. Enter "NA", if not applicable.

Questions 1, 2, 3, and 5–12 refer to the total quantity of a chemical substance manufactured, imported, or processed by a firm at all of its plant sites *LESS the quantity that is not regulable under the Toxic Substances Control Act. Total* quantity manufactured is to be reported in number 4, regardless of ultimate use.

Quantities are to be reported in KILOGRAMS (1 kilogram = 2.2 pounds). Values given must be at least accurate to within ±50%. If the uncertainty in the number is greater than that, answer "unknown".

Part A: Manufacturer's Activities

This part concerns manufacture, import, and use of the chemical by the manufacturer/importer, including all plants owned or controlled by the parent, reporting company.

1. Report the total quantity of the chemical substance imported in bulk for TSCA regulable products. Include the total quantity of technical grade chemicals.

2. Report the net quantity manufactured and recovered for sale or use that is regulable under TSCA.

3. Report the net quantity that is made but NOT recovered because it is lost to the environment or remains in process wastes or otherwise is not collected. If possible, fill in the quantities lost in the following three ways. If this information is not known within the required accuracy enter "Unknown".

3a. *Lost to the Environment During Production, Use, Storage, and Transfer*—including intentional or accidental venting, spills, evaporation, leaks and other fugitive emissions, dust dispersal, effluents and stack emissions to the air, land or water.

3b. *Process Wastes Treated to Destroy the Chemical*—including incineration, chemical reaction, or other means to destroy the chemical.

3c. *Process Wastes Where Chemical is Not Destroyed*—including any landfill, surface impoundment, municipal sewage, or storage.

Questions 4, 5, and 6

Process Categories

Questions 4, 5 and 6 concern handling of the chemical in the manufacturer's workplace. You are to specify how many workers are involved with how much of the chemical, and the duration of their involvement. The term "workers" for these questions includes not only those directly involved in manufacturing, but also those involved with equipment inspection and

maintenance, transportation and distribution, and clean-up. Average figures may be used based on actual practice for the reportable year. You must also specify what type of process was used in handling the chemical. Three general process types are given:

Enclosed Process means the entire process is designed so that there are no intentional releases of the chemical. Only fugitive or inadvertent release occurs and special measures are taken to prevent worker exposure and environmental contamination.

Controlled Release Process means the main production process is designed and operated so that deliberate or planned release of the chemical is permitted within prescribed limits. These limits will be dictated either by company guidelines or imposed by government regulations. Count workers who are only involved in controlled release processes; if they work where parts of the process are enclosed and other parts have controlled release, report quantities and workers under "Controlled Release".

Open Process means the chemical is routinely in direct contact with the atmosphere and no measures are taken to prevent environmental release; e.g., reaction vessels are open, or the chemical is transported or stored in open containers. If any part of the process is open, report quantities and workers under "Open".

Filling in the Chart

Fill in the chart for the calendar year specified in 40 CFR 712.18 for each category. Enter the total quantity of the subject chemical and the total number of workers involved. Count only those workers involved with processes where the chemical is present.

Columns A and B require the calculation of worker involvement according to hours/week and the number of weeks/year they are involved with the chemical. Column A is for those workers averaging 10 or less hours per week involvement. Column B is calculated in the same way as column A except that it is for those workers involved with the chemical for more than 10 hours per week.

To Calculate

The figure to be entered in column A or B for each process category is to be calculated as in the following example. If 5 workers are involved with a chemical each for twenty weeks and 10 workers are involved each for ½ week, calculate:

5 workers × 20 weeks =	100
10 workers × ½ week =	5
and enter the total	105

4. Fill in the chart for process types used in manufacturing the chemical. *Include the TOTAL quantity of chemical manufactured whether used in TSCA regulated products or not.* Count the number of workers directly involved in manufacture, equipment inspection and maintenance, quality control, and cleaning.

5. Fill in the chart for use of the chemical at your plant sites as a reactant or intermediate where the molecular structure of the chemical is altered by breaking a chemical bond(s) or making new chemical bonds between the original substance and some other substances. Count the number of workers directly involved in the process using the chemical, plus inspection and maintenance workers.

6. Fill in the chart for use of the chemical at your plant sites, other than as a reactant, for uses regulable under TSCA. A chemical is considered to be a non-reactant if its molecular structure is maintained throughout the normal course of its use. The chemical may undergo physical changes (e.g., changes in state or density, physical mixing with other substances) as long as no chemical changes occur. Examples include solvents, dielectric fluids, emulsifiers, and lubricants. List catalysts under this category. Include in this chart the number of workers processing the chemical, if separate from its manufacture; this includes producing products containing the chemical, preparing the chemical for distribution to customers, packaging, labeling, and transporting products containing the chemical.

7. Specify the quantity of the chemical substance you put in consumer products. For purposes of filling out this form only, "consumer products" is defined as in the Consumer Product Safety Act, 15 U.S.C. 2052 section 3(a)(1). Three consumer product types are given:

Articles With No Release are articles constructed in a way to prevent human exposure or release to the environment of the chemical substance during normal use and storage; e.g., chemicals in thermometers, in internal components, and in components inside sealed articles.

Articles With Some Release are articles whose material components are made of chemicals which come in direct contact with persons using the article, the atmosphere, land or water; i.e., exposure can come from leaching, evaporation, or surface contact. This includes such articles as plastic containers, chemically treated textiles, printed paper, coated appliances, etc. If the chemical itself is sold in a bottle or other container it should be reported under "Chemical Substance or Mixture," not as an article. Only the container itself is an article for purposes of this form.

Chemical Substance or Mixture is for use directly by the consumer, e.g., as cleansers, paints, inks, deodorizers and other formulations containing the chemical.

8. Specify the quantity of the chemical substance you sell to persons who are *distributors only* of the substance. If the chemical is used or processed in any way report this under Part B.

Part B: Use of the Chemical by Others

This part of the form applies to use of the chemical by your industrial customers either to make consumer products or industrial products. The category "unknown" is provided when either (1) the respondent does not know or cannot reasonably ascertain the answer within the accuracy required, or (2) the respondent knows the answer only because he has promised his customer that he will not reveal it further.

9. Specify the total quantity distributed to customers. As possible, fill in the chart provided for the uses and process types applicable to those customers.

10. Specify the quantity of chemical substance manufactured by you that is used by your customers to make consumer products. If you know some quantity is used in consumer products but cannot make a reasonable estimate, mark "Unknown".

11. If a quantity is reported in number 10, separate the total into one or more of the types of products listed.

12. Specify how much of your product is exported as a bulk chemical.

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U.S. ENVIRONMENTAL PROTECTION AGENCY

PRELIMINARY ASSESSMENT INFORMATION REPORT

(Section 8(a) Toxic Substances Control Act. 15 USC 2607)

Form Approved OMB No. 158-R0000

CAS NUMBER	NAME OF CHEMICAL REPORTED	EPA USE ONLY

☐ COMPANY NAME AND ADDRESS *(Include ZIP code)*

NAME OF PRINCIPLE TECHNICAL CONTACT(S)

NUMBER OF PLANT SITES COVERED BY REPORT

HQ DUN AND BRADSTREET NUMBER

PART A – MANUFACTURER ACTIVITIES *(Enter quantities in kg)*

☐ 1. TOTAL QUANTITY IMPORTED _____

☐ 2. NET QUANTITY MANUFACTURED FOR SALE OR USE _____

☐ 3. NET QUANTITY MANUFACTURED BUT NOT RECOVERED _____

☐ 3a. QUANTITY LOST TO THE ENVIRONMENT DURING PRODUCTION, USE, STORAGE AND TRANSFER _____

☐ 3b. QUANTITY IN PROCESS WASTES TREATED TO DESTROY THE CHEMICAL _____

☐ 3c. QUANTITY IN PROCESS WASTES WHERE CHEMICAL IS NOT DESTROYED _____

4. MANUFACTURE OF THE CHEMICAL

	TOTALS		WORKERS' HOURS	
			≤ 10 HOURS/WK (A)	> 10 HOURS/WK (B)
PROCESS CATEGORY	QUANTITY (kg)	NO. WORKERS	NO. WORKERS X WKS	NO. WORKERS X WKS
ENCLOSED	☐	☐	☐	☐
CONTROLLED RELEASE	☐	☐	☐	☐
OPEN	☐	☐	☐	☐

5. USE AS A REACTANT

	TOTALS		WORKERS' HOURS	
			≤ 10 HOURS/WK (A)	> 10 HOURS/WK (B)
PROCESS CATEGORY	QUANTITY (kg)	NO. WORKERS	NO. WORKERS X WKS	NO. WORKERS X WKS
ENCLOSED	☐	☐	☐	☐
CONTROLLED RELEASE	☐	☐	☐	☐
OPEN	☐	☐	☐	☐

6. USE OTHER THAN AS A REACTANT

	TOTALS		WORKERS' HOURS	
			≤ 10 HOURS/WK (A)	> 10 HOURS/WK (B)
PROCESS CATEGORY	QUANTITY (kg)	NO. WORKERS	NO. WORKERS X WKS	NO. WORKERS X WKS
ENCLOSED	☐	☐	☐	☐
CONTROLLED RELEASE	☐	☐	☐	☐
OPEN	☐	☐	☐	☐

7. QUANTITY USED IN CONSUMER PRODUCTS MANUFACTURED BY SUBMITTER *(Enter in kg)*

☐ IN ARTICLES WITH NO RELEASE _____

☐ IN ARTICLES WITH SOME RELEASE _____

☐ AS CHEMICAL SUBSTANCE OR MIXTURE _____

☐ TOTAL _____

☐ 8. QUANTITY SOLD TO DISTRIBUTORS _____ kg

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Continued on Reverse.

PART B – USE OF THE CHEMICAL BY OTHERS

☐ 9. TOTAL QUANTITY USED OR PROCESSED BY CUSTOMERS _____ kg

USE	PROCESS CATEGORIES (Enter quantities in kg)				SUBTOTAL (kg)
	ENCLOSED	CONTROLLED	OPEN	UNKNOWN	
REACTANT	☐	☐	☐	☐	☐
NON-REACTANT	☐	☐	☐	☐	☐
ARTICLE	☐	☐	☐	☐	☐
UNKNOWN	☐	☐	☐	☐	☐

☐ 10. WHAT QUANTITY OF YOUR PRODUCT IS USED BY OTHERS TO MAKE CONSUMER PRODUCTS?

_____ kg ☐ NONE ☐ UNKNOWN

11. IF A QUANTITY IS GIVEN IN NUMBER 10, SPECIFY QUANTITIES USED BY CONSUMERS

☐ IN ARTICLES _____ kg ☐ AS A CHEMICAL SUBSTANCE OR MIXTURE _____ kg

☐ 12. QUANTITY EXPORTED AS BULK CHEMICAL _____ kg

COMMENTS

Draft

EPA Form 7710-35 (12-79) (Reverse)

BILLING CODE 6560-01-C

APPENDIX II—Instructions For Asserting and Substantiating Claims of Confidentiality

Introduction

These are the instructions for asserting and substantiating claims of confidentiality for any information you submit in this Preliminary Assessment Information Report. (EPA Preliminary Assessment Information Form No. 7710-35 will be referred to in this appendix as the "form".) You may request confidential treatment for any item of information you submit.

To make this request, you must follow the procedures set out in these instructions. More specifically:

1. You must *assert* a claim of confidentiality, identifying the information that you claim to be confidential. You must do this in accordance with these instructions, at the time you submit the form. Boxes are provided for each item on the form. Place a check mark in the box if the item is claimed confidential. Any information you do not claim as confidential will be included in the public record without further notice to you.

2. You must *substantiate* your claims of confidentiality. You must do this in accordance with these instructions, at the time you submit the form. Otherwise, EPA may determine that you have waived your claims, and may then release the information in question, in accordance with section 712.16(c).

I. Categories of Claims

EPA had identified five categories of information into which most confidentiality claims will fall:

1. Manufacturer's (Importer's) Identity
2. Specific Chemical Identity
3. Production Volume
4. Uses of the Chemical Substance
5. Process Information

Specific chemical identity can be claimed as confidential only if that chemical was previously claimed as confidential on Form C of the Inventory Reporting Regulations (40 CFR 710).

You may wish to claim confidential treatment for information that does not fall under any of the above categories. These claims will be referred to in these instructions as "other" claims.

The instructions that follow explain how these six categories are to be used.

II. Asserting Confidentiality Claims

The Agency is developing a method for asserting confidential claims similar to that which appears in the October 16, 1979, Proposed Premanufacture Notification Rule (44 FR 59764) and requests comment on possible alternatives.

III. Substantiating Claims of Confidentiality

In addition to asserting a claim as explained in section I and II of the instructions, form submitters must do the following to substantiate claims of confidentiality for information on the form.

A. *General Certification.*—The person who signs the form must certify the truth and accuracy of the following four statements which apply to *all* information claimed confidential. (*Note:* The Certification is only to be signed once for the entire form.)

a. My company has taken measures to protect the confidentiality of the information, and it will continue to take these measures;

b. The information is not, and has not been, reasonably obtainable by other persons (other than governmental bodies) by using legitimate means (other than discovery based on a showing of special need in a judicial or quasi-judicial proceeding) without my company's consent;

c. The information is not publicly available elsewhere; and

d. Disclosure of the information claimed confidential would cause substantial harm to my company's competitive position.

B. *Manufacturer's (Importer's) Identity and Chemical Identity.*—To substantiate claims for Manufacturer's Identity and/or Chemical Identity, you need only sign the confidentiality certification. You are not required to answer any specific questions for these categories.

C. *Specific Questions.*—In addition to the certification, you must answer the following questions if you claim information confidential in these categories. (*Note: for each category, you must answer the questions only once,* regardless of the number of times you claim information confidential in that category.)

Production Volume

1. If you have claimed confidentiality for manufacturer's identity and EPA keeps confidential the link between your company identity and production volume, your identity will not be associated in any way with the production volume. In this case, what harm to your competitive position would result from disclosing the production volume? How could a competitor use this information? What is the causal relationship between the disclosure and the harm?

2. If you have claimed confidentiality for chemical identity so that the chemical identity category is not associated in any way with production volume, what harm to your competitive position would result from disclosing the production volume? How could a competitor use this information? What is the causal relationship between the disclosure and the harm?

Use Data

1. If you have claimed confidentiality for manufacturer's identity and EPA keeps confidential the link between your company identity and the use data, your identity will not be associated in any way with the use data. In this case, what harm to your competitive position would result from disclosing the use data? How could a competitor use this information? What is the causal relationship between the disclosure and the harm?

2. If you have claimed confidentiality for chemical identity so that the chemical identity category is not associated in any way with the use data, what harm to your competitive position would result from disclosing the use data. How could a competitor use this information? What is the causal relationship between the disclosure and the harm?

Process Information

1. If you have claimed confidentiality for manufacturer's identity and EPA keeps confidential the link between your company identity and process information, your identity will not be associated in any way with this information. In this case, what harm to your competitive position would result from disclosing the process information? What is the causal relationship between the disclosure and the harmful effects?

2. If you have claimed confidentiality for chemical identity so that the chemical identity category is not associated in any way with the process information, what harm to your competitive position would result from disclosing the process information? How could a competitor use this information? What is the causal relationship between the disclosure and the harm?

D. *Other Information—Specific Questions.*—For the other information category, you must answer the following questions *each time* you claim information confidential for that category:

1. Is the item confidential in and of itself? If so, what is revealed by its disclosure?

2. Is the item confidential because it will reveal some other confidential information, whether or not that other information is reported on this form? If so, what is the information that will be revealed?

3. Is the item confidential because it will reveal other confidential information when the item is disclosed in association with some other item(s) submitted on this form? If so, what are those item(s)?

4. If the answer to 1, 2, or 3 is yes, what harm would disclosing the confidential information cause to your competitive position? How would disclosure lead to this harm?

5. If you have claimed confidentiality for manufacturer's identity and EPA maintains the confidentiality of the link between your company identity and this information, your identity will not be associated in any way with the item claimed. In this case what harm to your competitive position would result from disclosing the item? How could a competitor use this information? What is the causal relationship between the disclosure and the harm?

6. If you have claimed confidentiality for chemical identity so that the chemical identity (other than category name) is not associated in any way with the item claimed, what harm to your competitive position would result from disclosing the item? How could a competitor use this information? What is the causal relationship between the disclosure and the harm?

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